WIC UNIVERSAL MIS – EBT INTERFACE

Functional Requirements Version 4.1

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DOCUMENT INFORMATION

Version	Date Effective	Details
0.08	2/3/2009	Initial revision for external review.
1.1	8/5/2009	Internal review of revisions resulting from comments to first round of comments
1.2	8/9/2009	2nd Draft for external review
1.3	10/15/2009	3 rd draft for general review and distribution
1.4	10/20/2009	Updated with FNS comments – NWA release
1.5	10/21/2010	Updated with comments on v1.4. Added more explanation about the purpose and use of the document. Version for review by work group.
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2.0, 2.1	4/24/2011	Updated and re-organized based on comments on Version 1.6 and from March 15, 2011 meeting in Virginia.
2.2	5/11/2011	Updated with FNS comments
3.0	7/8/2011	Updated with changes agreed upon in weekly conference calls with workgroup
4.0	8/25/2011	Updated with changes agreed upon in weekly conference calls discussing the data elements used in each function and resolution of open issues from March 15, 2011 meeting in Virginia.
4.1	8/30/2011	Reflects updates from FNS review

1   INTRODUCTION

This document standardizes the functional requirements for the Universal Interface between the WIC Management Information Systems (WIC MIS system) and the WIC Electronic Benefit Transfer systems (WIC EBT system) used in the Special Supplemental Food Program for Women, Infants and Children (WIC) nutrition program.   The document defines and describes:

a)   The types of WIC MIS and WIC EBT systems
b)   The types of interfaces between WIC MIS systems and WIC EBT systems.
c)   The functions to be supported in the Universal Interface.
d)   The core data elements required by the defined functions.
e)   The processing rules to be implemented to support the functions.
f)   The recommended distribution of functions between the WIC MIS system and the WIC EBT system.

This document supplements the *Functional Requirements Document for a Model WIC Information System* (FReD) (2009). It identifies those functions in the WIC MIS system which have an interface with the WIC EBT System and additional functions unique to a WIC MIS - EBT Universal Interface.

The users of this document are the WIC State Agencies, WIC Vendors, EBT Card Issuer Processors and WIC MIS system developers. The system interfaces that are designed to comply with these functional requirements may be developed by and/or reside at the WIC State Agency (in-house) or they may be developed and provided by a contracted party (outsourced). The system developer may be the WIC State Agency itself or a contracted party.

The document is not intended to serve as an Application Programming Interface (API) reference. The method of exchanging data between the WIC MIS system and WIC EBT systems has purposefully been left to the system developer. These functional requirements are independent of the underlying technical implementation and details of specific technical implementations are beyond the scope of this document.

The goal is to make the choice of the WIC EBT system by WIC State Agencies free from system interface constraints and to reduce the need for future system modifications. It is also expected that a WIC State Agency replacing its WIC MIS system will consider the WIC EBT capabilities of any transfer system that has been updated to comply with the Universal Interface document.

The advantages of a Universal Interface are:

a)   Software modifications are kept to a minimum for WIC State Agencies interfacing a WIC MIS system to a WIC EBT system. Ideally, linking a WIC MIS system to a WIC EBT system is as simple as "plug and play".
b)   WIC State Agencies changing EBT Card Issuer Processors experience minimal resulting WIC MIS system modifications. This will help to improve competition among EBT Card Issuer Processors.

c) WIC EBT systems transfer cleanly between WIC State Agencies adhering to the Universal Interface.

d) WIC State Agency EBT business process implementation and technology choices are transparent to the WIC State Agency MIS systems, except for the WIC MIS system differences due to the choice of card technology (i.e. smartcard vs. magnetic stripe).

e) FNS and WIC State Agencies realize significant cost advantages from standardization.

All system interfaces between the WIC MIS system and the WIC EBT system shall conform to the functional requirements defined in this document. Existing WIC MIS system and WIC EBT system interfaces that do not comply with these functional requirements may continue to operate however they may not be utilized in future WIC EBT implementations until they comply with this document.

2   ACRONYMS AND ABBREVIATIONS

Readers of this document are encouraged to become familiar with the acronyms and abbreviations in this section.

Abbreviation /Acronym	Definition
ABA	American Banker Association
ACH	Automated Clearing House
APL	Authorized Products List
CAD	Card Acceptor Device
EBA	Electronic Benefit Account
EBT	Electronic Benefit Transfer
FTP	File Transfer Protocol
GUI	Graphical User Interface
HCL	Hot Card List
HOH	Head of Household
ID	Identification
MIS	Management Information System
NTE	Not To Exceed
NUPC	National UPC [Database]
PIN	Personal Identification Number
PLU	Price Look Up [Code]
SNAP EBT	Supplemental Nutrition Assistance Program, formerly known as Food Stamp program
SSO	Single Sign-On
TIG	Technical Implementation Guide
UPC	Universal Product Code
WIC	Special Supplemental Nutrition Program for Women, Infants, and Children
XML	Extensible Markup Language

3   DEFINITIONS

Readers of this document are encouraged to become familiar with the definitions in this section. The definitions shown are capitalized when used in this document to aid clarity.

Term	Definition
Automated Clearing House	A payment service that accepts requests for payments (debits or credits) and clears them through the banking system to the receiving entity's bank based on the ABA routing and transit number provided
EBT Card Issuer Processor	An entity contracted by the responsible government agency for the implementation, maintenance and operation of the WIC State Agency's WIC EBT system and acts as the agent of the WIC State Agency to process and settle transactions.
Not to Exceed (NTE)	FNS-approved Cost Containment methodology whereby WIC Vendors are subject to price limitations.
Reconciliation	The process of comparing two sets of information to identify and resolve differences, e.g., benefit redeemed or transactions processed.
Settlement	The transfer of funds to complete one or more prior transactions made, subject to final accounting, e.g., an ACH payment to a WIC Vendor for approved transactions.
Smart Card	A payment card that has a computer chip embedded on the card.
Technical Implementation Guide	The *WIC EBT Technical Implementation Guide* published by USDA-FNS as amended and updated.
Third Party Processor	An entity that provides transaction processing services on behalf of the WIC Vendor, Acquirer or EBT Card Issuer Processor.
WIC Vendor	The merchant location that provides authorized WIC food items under an Authorized WIC Vendor Agreement with a WIC State Agency.
X9.93 Standards	The standards published by the American National Standards Institute (ANSI) titled *ANS X9.93-2008 Financial transaction messages – Electronic benefits transfer (EBT) – Part 1: Messages* and *ANS X9.93-2008 Financial transactions messages – Electronic benefits transfer (EBT) – Part 2: File* as amended and updated.

4   WIC MIS SYSTEM AND WIC EBT SYSTEM OVERVIEW

WIC MIS systems perform the sequence of events that occur when an individual applies for and receives WIC benefits. WIC MIS systems determine eligibility of the applicant, capture demographic data, create, assign and maintain benefit prescriptions and issue and maintain WIC cards for the WIC Participant and/or WIC household. WIC MIS systems (or a separate WIC State Agency system) also perform the sequence of events that occur when a retailer applies for and is approved to be a WIC Vendor. WIC MIS systems determine eligibility of the WIC Vendor, capture demographic data and establish data collection, payment and adjustment processes with the WIC Vendor.   The WIC MIS system also establishes and maintains the Authorized Product List (APL) of food items for WIC purchase.

WIC EBT systems perform the sequence of events that occur when a WIC Cardholder makes a purchase with their WIC EBT Card to obtain WIC benefits at an authorized WIC Vendor.   WIC EBT systems also capture and prepare transaction data for reconciliation and settlement with the WIC Vendor.

The following sections provide a basic overview of WIC Online and Smart Card EBT processing and identify the functions to be supported in WIC MIS system and WIC EBT system interfaces.

4.1   WIC ONLINE EBT

Online EBT processing uses a payment card that has a magnetic stripe to perform a series of real-time transactions between the card acceptor device (CAD) at the WIC Vendor and the EBT Card Issuer Processor to approve the WIC EBT transaction.   Each WIC EBT purchase request is sent to the EBT Card Issuer Processor for approval and includes the food items being purchased.

To reconcile and settle completed transactions, approved purchases are totaled by the EBT Card Issuer Processor at the end of each Processing Day and a WIC Auto-reconciliation file and an ACH payment file are created. The WIC Auto-reconciliation file is sent to the WIC Vendor or their agent. Based on the ACH payment file, funds are deposited to the designated financial institution that holds the settlement account for the WIC Vendor.

In an Online WIC EBT system, the WIC benefit data and the WIC Vendor and settlement data are housed on the WIC EBT system.

4.2   WIC SMART CARD EBT

WIC Smart Card EBT processing accesses the chip on an integrated circuit card to interact with the CAD at the WIC Vendor to approve purchases. Each WIC EBT purchase is authorized at the WIC Vendor and required no real-time connection to the WIC EBT system.

To reconcile and settle completed transactions, approved purchases are totaled by the WIC Vendor or their agent at the end of each Processing Day and a WIC Claim File is created and submitted to the WIC State Agency for payment.

The WIC State Agency will validate the WIC Claim File, create the WIC Auto-reconciliation file and will request an ACH payment file for valid transactions be generated by the financial entity responsible for payment. The ACH payment file is submitted to the WIC State Agency's settlement bank. Funds are deposited to the WIC Vendor's account at their settlement bank. The WIC State Agency returns a WIC Auto-reconciliation file to the WIC Vendor that enables the WIC Vendor to reconcile transactions.

In a Smart Card WIC EBT system, the WIC Participant prescription benefit data is housed in a computer chip on the WIC Participant's WIC EBT card while the WIC Vendor and settlement data is housed either in-house at the WIC State Agency or remotely on a contracted WIC EBT system.

4.3   WIC MIS - EBT UNIVERSAL INTERFACE FUNCTIONAL AREAS

Table 1 lists the nine (9) Universal Interface functional areas described in this document that are equally applicable to either an Online or Smart Card WIC EBT system interface to a WIC MIS system and provides a cross-reference to the corresponding Functional Area described in the FReD.

Table 1   WIC MIS - EBT Universal Interface Functional Areas

Function Number	Functional Area	FReD Function Area
1	WIC Household Account Maintenance	Certification
2	WIC Household Benefit Maintenance	Food Benefit Issuance
3	WIC Cardholder/Card Maintenance	Certification
4	WIC Vendor Maintenance	Vendor Management
5	WIC Food Maintenance	Food Management
6	WIC Benefit Data Reconciliation	Food Benefit Redemption, Settlement and Reconciliation
7	Local Agency Maintenance	Operations Management
8	Clinic Maintenance	Operations Management
9	Financial Settlement	Financial Management

System developers of new WIC MIS systems shall incorporate all of the defined WIC EBT functions and data requirements within their designs in such a way that they may be integrated equally well with either a Smart Card WIC EBT or an Online WIC EBT solution.

5   INTERFACE TYPES

When first implementing a WIC EBT system or when replacing a WIC EBT system, a WIC State Agency shall choose a system based on an analysis of the functions and types of interfaces offered that best work within the capabilities of its WIC MIS system environment. The types of WIC EBT and WIC MIS system interfaces described in this document are:

a) Message Based System interface – the systems exchange messages to perform the function. Message based system interfaces are used for performing real time transfers of data between WIC MIS systems and WIC EBT systems.
b) Batch System interface – the systems exchange batches containing data to perform the function.
c) User Interface – the system (screens) that provides access to and exchange of information between a person and the WIC MIS system or WIC EBT system, also referred to as a Graphical User Interface (GUI). While not an interface between the WIC MIS System and the WIC EBT system, User Interfaces are identified in this document for clarity.

These interface types may be used independently or in combination depending on the needs and preferences of the system developer. The following sections describe each type of interface and the common data elements for each type of interface. Throughout the document, data elements used in an interface are listed in alphabetic order.

The common data elements are defined in Appendix A - Data Dictionary. The condition codes (identified by "CC" in the table headers) used in the data element tables are:

M – Indicates that a data element is mandatory in both directions of the interface and may not be NULL.

C – Indicates that if the condition identified applies, then the data element shall be present, otherwise its inclusion is subject to bilateral agreement. If a data element is not present, the default value indicated shall be used with fixed length data elements to fill the position for the data element. For alphanumeric and alpha data elements, the default values shall be spaces, unless otherwise indicated. For numeric data elements, the default value shall be zeroes, unless otherwise noted.

O – Indicates that a data element is optional and may be NULL. For update functions, if the field has an existing value and that value is to be preserved, then the existing value shall be supplied as a data element in the update function. A value of null will cause the existing value to be overwritten with null.

5.1   MESSAGE BASED SYSTEM INTERFACES

WIC regulations require "same day service" for WIC Participants which means that once notice of certification is provided, the WIC Participant may leave the clinic with benefits and shop at an

authorized WIC Vendor location.[1] Consequently, many of the functions performed between the WIC MIS system and the WIC EBT systems, such as account set up or benefit issuance, require a real time, message based system interface. A requirement for the Universal Interface is to make access to WIC EBT functions seamless to a user in the WIC clinic and to make the use of the WIC EBT system driven by the WIC MIS system user. The WIC EBT system is passive and only responds to requests from the WIC MIS system itself or the WIC MIS system user.

Message based system interfaces shall have the WIC MIS system invoke WIC EBT functions by sending a message to the WIC EBT system. The WIC MIS system will provide the User Interface (e.g. paint the screens) that will either gather the data necessary to execute an WIC EBT function or present the results of an WIC EBT query to the clinic user.

5.1.1   DATA REQUIRED IN ALL MESSAGE BASED SYSTEM INTERFACES

The following list of data elements and their associated condition codes (CC's) shall be included in both directions of the messages exchanged, except for Function return code, in a message based system interface. See Appendix A for definitions.

Data element name	CC Sending	CC Responding	Usage Notes
Clinic ID	C	C	Mandatory if transaction originates from a clinic
Date and time, transmission	M	M	
Function return code		O	May be used to explicitly indicate that a message was received and the result of processing the message
Initiating user ID	C	C	Mandatory if clinic ID present
Message type	M	M	
Message version	M	M	
System ID	M	M	
Unique EBT transaction identifier	M	M	
Username	M	M	
WIC EBT system ID	M	M	
WIC MIS system ID	M	M	
Local agency ID	C	C	Mandatory if transaction originates from a local agency
WIC State Agency ID	M	M	
Workstation ID	C	C	Mandatory if clinic ID present

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[1] Regulation reference: 7 CFR 246.7(f)(2)(iv)

5.1.2 FUNCTIONAL AREAS USING MESSAGE BASED SYSTEM INTERFACES

Message based system interfaces shall be used for the following functional areas and the specified related functions. A required function is indicated as "(R)" and is considered a core function for the interface. An optional function is indicated as "O":

1) WIC Household Account Maintenance
   a. Add Electronic Benefit Account (EBA) (R)
   b. Update EBA (R)
   c. Get EBA Details (R)
   d. Get Household ID Using Card Number (O)
2) WIC Household Benefit Maintenance
   a. Add or Update Benefits (R)
   b. Get Benefit Balance (R)
   c. Get Benefit Maintenance History (R)
   d. Get Benefit Redemption History (R)
3) WIC Cardholder/Card Maintenance
   a. Add Cardholder/Card (R)
   b. Add or Update PIN (O)
   c. Get Cardholders/Cards (R)
   d. Update Card (R)
   e. Get Card History (R)
   f. Generate Hot Card List (O)
4) WIC Vendor Maintenance
   a. Add WIC Vendor (R)
   b. Update WIC Vendor Information (R)
   c. Add or Update WIC Vendor Hierarchy Information (O)
   d. Update WIC Vendor Status (R)
   e. Update WIC Vendor Banking Information (O)
5) WIC Food Maintenance
   a. Get Category Information (O)
   b. Get Sub-category Information (O)
   c. Get UPC/PLU information (R)
   d. Generate APL file
6) Local Agency Maintenance
   a. Create Local Agency (O)
   b. Update Local Agency (O)
7) Clinic Maintenance

          a.   Create Clinic (O)

          b.   Update Clinic (O)

8) Financial Settlement

          a.   Request ACH Payment (O)

5.1.3   MESSAGE PROCESSING STANDARDS

The following processing standards shall be applied to processing done with a batch system interface.

1) The WIC EBT system and the WIC MIS system shall maintain the necessary computer hardware and software to interface directly with data processing facilities required to accommodate message based system interfaces.
2) The WIC EBT system and the WIC MIS system shall be available during business hours for message based system interfaces except for scheduled downtime which shall not exceed two (2) hours per month unless other timeframes are agreed upon by the WIC State Agency.
3) All message based system interfaces messages shall be processed within 20 seconds.
4) If the condition specified for a data element is not met, the data element may be omitted.

5.2   BATCH SYSTEM INTERFACES

A batch system interface is used for the transfer of bulk data between the WIC MIS system and WIC EBT systems and to synchronize data stored in separate locations. This may be a two-way data flow, with some of the transfers being initiated by the WIC MIS system and others by the WIC EBT system.

Use of this form of system interface is at the discretion of the system developer and depends upon where certain WIC EBT related functions have been implemented. In some instances, a message system interface may be used instead of, or in addition to, a batch system interface.

This document does not define a standard header and trailer record nor does it define standard file confirmation protocols and error reporting mechanisms.   It is up to the system developer as to how to convey the required data in a batch system interface.

5.2.1   DATA REQUIRED IN ALL BATCH SYSTEM INTERFACES

The following list of data elements shall be included in each batch system interface.

Data element name	CC	Usage Notes
Count, detail records	M	
Date and time, transmission	M	
File name	M	
File sequence number	M	
File format version	M	
Originator of file	M	
Receiving institution	M	
Record sequence number	M	
Type code	M	See Appendix B for values

5.2.2   FUNCTIONAL AREAS USING BATCH SYSTEM INTERFACES

Batch system interfaces shall be used for the following functional areas and the specified related functions. A required function is indicated as "(R)" and is considered a core function for the interface. An optional function is indicated as "O":

1) WIC Cardholder/Card Maintenance
    a. Report Card Updates (R)
2) WIC Food Maintenance
    a. Update Category/Sub-category information (R)
    b. Add or Update UPC/PLU Information (R)
3) WIC Benefit Data Reconciliation
    a. Report WIC Benefit Redemptions (R)
    b. Report WIC Benefits Purged (R)
    c. Report WIC Benefit Changes (R)
    d. Report WIC Benefit Month Data (O)

Batch system interfaces may be used for the following functional areas which may also be accomplished with message based system interfaces:

1) WIC Vendor Maintenance
    a. Add WIC Vendor (R)
    b. Update WIC Vendor Information (R)
    c. Add or Update WIC Vendor Hierarchy Information (O)
    d. Update WIC Vendor Status (R)

5.2.3   BATCH PROCESSING STANDARDS

The following processing standards shall be applied to processing done with a batch system interface.

1) A confirmation shall be provided to the sending party that the file was received.
2) Batch level errors (e.g. wrong sequence, wrong record count, etc.) shall be reported to the sending party.
3) Detail record errors (e.g. provide specific record identifier and indication of specific error) shall be reported to the sending party.
4) Batches may be transmitted on an as needed, daily or monthly basis.
5) A batch with no records shall indicate that no action is to be taken by the receiving system.
6) If the condition specified for a data element is not met, the data element may be defaulted to the default value indicated in the Data Dictionary. The default value indicated shall be used with fixed length data elements to fill the position for the data element. For alphanumeric and alpha data elements, the default values shall be spaces, unless otherwise indicated. For numeric data elements, the default value shall be zeroes, unless otherwise noted.

5.3   USER INTERFACES

A User interface provides a person in the clinic or at the EBT Card Issuer Processor with the ability to input, query and retrieve information from the WIC MIS system or WIC EBT system.   As such, it is not an interface between the MIS system and the EBT system however it is required that each system provide a means for its users to access their system via a User Interface.

5.3.1   DATA REQUIRED IN USER INTERFACES

The layout and appearance of the User Interface is left to the WIC State Agency and the system developer. The following data is required to be present for any WIC MIS system User Interface:

Data element name	CC
Date and time	M
System ID	M
Security token	M
User name	M
WIC EBT system ID	M
WIC MIS system ID	M
WIC State Agency ID	M

5.3.2   FUNCTIONAL AREAS USING USER INTERFACES

User Interfaces may be developed for all of the Universal Interface functions defined in this document. For functions accomplished with a batch system interface, the User Interface may be used to initiate, query or terminate a batch system interface.

5.3.3   USER INTERFACE PROCESSING STANDARDS

The following processing standards shall be applied to User Interfaces.

[To be completed with input from WIC State Agencies and processors]

6   UNIVERSAL INTERFACE FUNCTIONAL REQUIREMENTS

This section describes each functional area and their related functions.

Each description of a functional area is organized as follows:

1. Description – Describes the functional area.
2. Functions – A table listing the functions implemented for the functional area and the system interface type used for that function. An "(R)" indicates a required function; an "(O)" indicates an optional function.
3. Originator of Function – Identifies the entity that initiates the function.
4. User Interface – Identifies which system shall implement a User Interface for the function.

There is a subsection for each function organized as follows:

1. Description - There is a brief description of the function.
2. Data Elements - There is a table of input data elements for the function. The table only covers the core data elements needed for the specific function. The table contains the following columns:
    a. Data element name – Name of the data element as it appears in the Data Element Dictionary.
    b. Data element Condition Code ("CC") – Indicates whether the data element is Mandatory (M), Conditional (C) or Optional (O)
    c. Usage Notes – Explains the condition or requirements of data element usage.
3. Processing rules – Any processing rules governing the function are listed.
4. It should be noted that the functions described may be combined or parsed as desired in the system design for efficiency, e.g., more than one function may be initiated between the parties for a designated entity.

6.1   WIC HOUSEHOLD ACCOUNT MAINTENANCE

The WIC Household Account Maintenance functional area comprises functions for maintaining an Electronic Benefit Account (EBA) in the WIC EBT System. An EBA is account data maintained on the WIC EBT host (Online WIC EBT) or on the chip in the Smart Card in combination with data maintained at the WIC EBT system (Smart Card WIC EBT). The EBA is linked to a household using the WIC MIS system household ID. An EBA ties together all of the various data elements required to enable WIC EBT for a household, such as benefit information, card data and transaction history. The EBA is updated when card information is changed, such as when a card is replaced.

The following table lists the WIC Household Account Maintenance functions and the System Interface Type, Originator of Function and User Interface for each function.

WIC Household Account Maintenance Functions	System interface Type	Originator of Function	User Interface
Add EBA (R)	Message based	WIC MIS system	WIC MIS system
Update EBA (R)	Message based	WIC MIS system	WIC MIS system
Get EBA Details (R)	Message based	WIC MIS system	WIC MIS system
Get Household ID Using Card Number (O)	Message based	WIC MIS system	WIC MIS system

The WIC EBT system maintains account demographics, but account set-up, update and deactivation is initiated from the WIC MIS system.

6.1.1 ADD EBA

The Add EBA function is a required function that uses a message based system interface to establish an EBA in the WIC EBT System and link the EBA to a household from the WIC MIS system. To establish an EBA account, only the WIC MIS system household ID is required.

The following table lists the data elements sent for the Add EBA function:

Data element name	CC	Usage Notes
Address, household mailing	O	
Date of birth, head of household	O	
Date, effective	O	
Gender	O	
Language indicator	O	
Name, head of household	O	
Type code	M	See Appendix B for values
WIC MIS system household ID	M	
The following data elements are repeated for each card/cardholder being added for the household, if any:		
Address, cardholder mailing	O	
Card number	C	Mandatory if adding card/cardholder
Date of birth, cardholder	C	Mandatory if adding card/cardholder
Name, cardholder	C	Mandatory if adding card/cardholder
Phone number, cardholder	O	
Status code	C	Mandatory if adding card/cardholder; default is See Appendix B for values
Type code	M	Mandatory if adding card/cardholder

The following data elements are returned for the Add EBA function:

Data element name	CC	Usage Notes
Function return code	O	

The following table lists the processing rules for the Add EBA function:

Rule ID	Description
6.1.1.1	Validation that the WIC MIS system household ID does not already exist for calling WIC State Agency (not necessarily applicable for Smart Card).
6.1.1.2	This function returns an EBA ID that is generated by the WIC EBT System. Use of this information by the WIC MIS system is optional.
6.1.1.3	The WIC EBT System expects that the WIC MIS system shall perform any necessary checks for dual participation.
6.1.1.4	If Date, effective is NULL, they WIC EBT system shall assume the current date

6.1.2   UPDATE EBA

The Update EBA function is a required function that uses a message based system interface to change the head of household date of birth, name, or address that is held in the WIC EBT database and/or to update an EBA with a new WIC MIS system household ID. It is also used to change the status of an EBA by deactivating or reactivating an EBA in the WIC EBT system. The WIC household type code for an EBA should not be changed; instead the account should be deactivated and a new one with the correct type established.   It is recommended that WIC MIS system support unique WIC MIS system household IDs statewide.

The following table lists the data elements sent for the Update EBA function:

Data element name	CC	Usage Notes
Address, household mailing	O	
Date of birth, head of household	O	
Date, effective	O	
Name, head of household	O	
WIC MIS system household ID	M	
WIC MIS system household ID, new	O	If present, this WIC MIS system household ID will be associated to the EBA and the old WIC MIS system household ID will be deactivated.

The following data elements are returned for the Update EBA function:

Data element name	CC	Usage Notes
Function return code	O	

The following table lists the processing rules for the Update EBA function:

Rule ID	Description
6.1.2.1	Validation that the (OLD) WIC MIS system household ID exists.
6.1.2.2	If a (NEW) WIC MIS system household ID is provided, then the WIC EBT System shall validate that the New WIC MIS system household ID does not already exist.
6.1.2.3	If a (NEW) WIC MIS system household ID is provided, then the WIC EBT System shall deactivate the (OLD) WIC MIS system household ID (Optional)

6.1.3   GET EBA DETAILS

The Get EBA Details function is a required function that uses a message based system interface to return detailed information on the EBA. This function allows a WIC MIS system user the ability to have EBA information displayed via a WIC MIS system screen.

The following table lists the data elements sent for the Get EBA Details function:

Data element name	CC	Usage Notes
Type code	O	
WIC MIS system household ID	M	

The following data elements are returned for the Get EBA Details function:

Data element name	CC	Usage Notes
Address, household mailing	C	Mandatory, If provided when EBA added or updated
Date of birth, head of household	C	
Name, head of household	C	
WIC MIS system household ID	M	

The following table lists the processing rules for the Get EBA function:

Rule ID	Description
6.1.3.1	The WIC EBT System shall identify the EBA and return the household data information available.

6.1.4   GET HOUSEHOLD ID USING CARD NUMBER

The Get Household ID Using Card Number function is an optional function that uses a message based system interface to provide the WIC EBT card number to identify the WIC MIS system household ID and then display the household record in the WIC MIS system. For example, a WIC EBT card is inserted or swiped or manually entered; the household ID is obtained triggering the WIC MIS system to open the record for that household.

The following table lists the data elements sent for the Get Household ID Using Card Number function:

Data element name	CC	Usage Notes
Card number	M	

The following data elements are returned for the Get Household ID Using Card Number function:

Data element name	CC	Usage Notes
Card number	C	Mandatory if card number is different than that sent
Date, effective	M	
Status code	M	See Appendix B for values
Type code	M	See Appendix B for values
WIC MIS system household ID	M	

The following table lists the processing rules for the Get Household ID Using Card Number function:

Rule ID	Description
6.1.4.1	The WIC EBT System shall identify the EBA associated with the card number and return the data elements associated with the EBA.

6.2   WIC HOUSEHOLD BENEFIT MAINTENANCE

The WIC Household Benefit Maintenance functional area comprises functions for maintaining and querying benefit information associated with the EBAs in the WIC EBT System.

The following table lists WIC Household Benefit Maintenance functions and the System Interface Type, Originator of Function and User Interface for each function.

Function	System interface type	Originator of Function	User Interface
Add or Update Benefits (R)	Message based	WIC MIS system	WIC MIS system
Get Benefit Balance (R)	Message based	WIC MIS system	WIC MIS system
Get Benefit Maintenance History (R)	Message based	WIC MIS system	WIC MIS system
Get Benefit Redemption History (R)	Message based	WIC MIS system	WIC MIS system

6.2.1   ADD OR UPDATE BENEFITS

The Add or Update Benefits function is a required function that uses a message based system interface to add (issue) or subtract (void) a benefit quantity from an EBA.   Issuing benefits results in a credit to the WIC Cardholder's benefits; voiding benefits result in a debit.   Current and future benefits may be issued and voided using this function.

The following table lists the data elements sent for the Add or Update Benefits function:

Data element name	CC	Usage Notes
Action code	M	
Benefit issuance ID	M	
Card number	C	Mandatory if for a smart card
Date, begin benefit	M	
Date, end benefit	M	
Reason code	M	
WIC MIS system household ID	M	
A list of the following elements are repeated for each benefit issuance ID:		
Benefit quantity	M	
Category code	M	
Category long description	O	
Sub-category code	M	
Sub-category long description	O	

The following data elements are returned for the Add or Update Benefits function:

Data element name	CC	Usage Notes
Function return code	O	

The following table lists the processing rules for the Add or Update Benefits function:

Rule ID	Description
6.2.1.1	Validation that the WIC MIS system household ID exists and is active.
6.2.1.2	Validation that the combination of Category code and Sub-category code is valid.
6.2.1.3	If the transaction is a subtraction (void), then the Benefit ID, Date, begin benefit and Date, end benefit shall exactly match the Benefit ID, Date, begin benefit and Date, end benefit for the categories and subcategories to be debited or the transaction is rejected.
6.2.1.4	If the transaction is a subtraction (void), then the WIC EBT System shall only perform the subtraction if there is sufficient balance to post the entire subtraction.
6.2.1.5	If the transaction is an addition (issue), then there shall be validation that the total Benefit quantity (units) available for the Category code and Sub-category code on a given date shall not exceed 999.99 (this would exceed the maximum balance that may be returned in an X9.93 Standards message).
6.2.1.6	Validation that the reason code is defined for the WIC State Agency.
6.2.1.7	Validation that EBA exists and is active

6.2.2   GET BENEFIT BALANCE

The Get Benefit Balance function is a required function that uses a message based system interface to retrieve benefit information for a particular EBA. This function allows the WIC MIS system to retrieve from the WIC EBT system the remaining balance for the EBA and display it via the WIC MIS system.

The following table lists the data elements sent for the Get Benefit Balance function:

Data element name	CC	Usage Notes
Card number	C	Mandatory if WIC MIS system household ID not present
Date, end request	O	If not present, default to current date
Date, start request	O	If not present, default to current date
WIC MIS system household ID	C	Mandatory if card number not present

The following data elements are returned for the Get Benefit balance function:

Data element name	CC	Usage Notes
Benefit issuance ID	M	
Benefit quantity, active hold	M	
Benefit quantity, available	M	
Card number	C	Mandatory if not sent
Category code	M	
Category long description	O	
Date, begin benefit	M	
Date, end benefit	M	
Sub-category code	M	
Sub-category long description	O	
WIC MIS system household ID	C	Mandatory if not sent

The following table lists the processing rules for the Get Benefit Balance function:

Rule ID	Description
6.2.2.1	Validation that the WIC MIS system household ID exists and is active.
6.2.2.2	If only the current balance is requested (date, begin request and date, end request not provided), then the WIC EBT System shall only return records where the current date is between the Date, begin benefit and Date, end benefit.
6.2.2.3	If all benefits are requested, then the WIC EBT System shall return the benefits specified by the Date, begin benefit and Date, end benefit.
6.2.2.4	Validation that the EBA exists and is active

6.2.3   GET BENEFIT MAINTENANCE HISTORY

The Get Benefit Maintenance History function is a required function that uses a message based system interface to retrieve benefit maintenance transaction data for a particular EBA. This function allows the WIC MIS system to retrieve from the WIC EBT system the benefit maintenance transaction history for a given period for the EBA and display it via the WIC MIS system. This function may also be used by the WIC EBT system to retrieve information from the WIC MIS system.

The following table lists the data elements sent for the Get Benefit Maintenance Transaction History function:

Data element name	CC	Usage Notes
Card number	C	Mandatory if WIC MIS system household ID not present
Date, end request	M	
Date, start request	M	
WIC MIS system household ID	C	Mandatory if card number not present

The following data elements are returned for the Get Benefit Maintenance History function:

Data element name	CC	Usage Notes
Action code	M	
Benefit issuance ID	M	
Card number	O	
Clinic ID	C	Mandatory if transaction originated from a clinic
Date and time, host	M	
Date, begin benefit	M	
Date, business	M	
Date, end benefit	M	
Initiating user ID	C	Mandatory if transaction originated from a clinic
Local agency ID	C	Mandatory if transaction originated from a local agency
WIC MIS system household ID	M	
The following data elements will be repeated for each benefit reported:		
Benefit quantity	M	
Category code	M	
Category long description	O	
Sub-category code	M	
Sub-category long description	O	

The following table lists the processing rules for the Get Benefit Maintenance History function:

Rule ID	Description
6.2.3.1	Validation that the WIC MIS system household ID exists and is active.
6.2.3.2	Validation that the EBA exists and is active
6.2.3.3	IF WIC MIS system household ID is sent, return all benefit maintenance history for the Household
6.2.3.4	If card number is sent, return all benefit maintenance history for the card.

6.2.4   GET BENEFIT REDEMPTION HISTORY

The Get Benefit Redemption History function is a required function that uses a message based system interface to retrieve benefit redemption data for a particular EBA. This function allows the WIC MIS system to retrieve from the WIC EBT system the benefit redemption history for a given period for the EBA and display it via the WIC MIS system.

The following table lists the data elements sent for the Get Benefit Redemption History function:

Data element name	CC	Usage Notes
Card number	C	Mandatory if WIC MIS system household ID not present
Date, end request	M	
Date, start request	M	
WIC MIS system household ID	C	Mandatory if card number not present

The following data elements are returned for the Get Benefit Redemption History function:

Data element name	CC	Usage Notes
Acquiring institution ID code	O	
Amount, discount	M	
Amount, paid	M	
Amount, total NTE adjustments	M	
Amount, transaction	M	
Card Acceptor identification code	O	
Card Acceptor terminal identification code	M	
Card number	M	
Clinic ID	C	Mandatory if present in original transaction
Date and time, host	M	
Date and time, local transaction	M	
Date, business	M	
Date, settlement	M	
Forwarding institution ID code	O	
Initiating user ID	C	Mandatory if clinic ID of original transaction present
Local agency ID	C	Mandatory if present in original transaction
Type code	M	See Appendix B for values

Data element name	CC	Usage Notes
Unique EBT transaction identifier	M	
WIC MIS system household ID	M	
WIC MIS system WIC Vendor ID	M	
WIC Vendor peer group	M	
Workstation ID	C	Mandatory if clinic ID of original transaction present
The following data elements will be repeated for each benefit redeemed:		
Amount, item discount	O	
Amount, paid	M	
Benefit issuance ID	M	
Benefit quantity, approved	M	
Benefit quantity, requested	M	
Category code	M	
Category long description	O	
Date, begin benefit	M	
Date, end benefit	M	
Item description	O	
Item price	M	After any NTE adjustment is applied
Line item ID	O	May be the original record sequence number for the item from the WIC auto-reconciliation addenda record 2 (E2)
Sub-category code	M	
Sub-category long description	O	
Unit of measure abbreviation	M	
Unit of measure	O	
UPC/PLU data	M	

The following table lists the processing rules for the Get Benefit Redemption History function:

Rule ID	Description
6.2.4.1	Validation that the WIC MIS system household ID exists and is active.
6.2.4.2	Validation that the EBA exists and is active

Rule ID	Description
6.2.4.3	IF WIC MIS system household ID is sent, return all benefit redemption history for the Household
6.2.4.4	If card number is sent, return all benefit redemption history for the card.
6.2.4.5	The amount, paid for a transaction is equal to the amount, transaction less the Amount, total NTE adjustments less the amount, discount
6.2.4.6	The amount, paid for an individual line item is equal to the item price (adjusted for NTE) times the benefit quantity, approved less amount, item discount.

6.3   CARDHOLDER/CARD MAINTENANCE

The Cardholder/Card Maintenance functional area comprises functions for maintaining WIC Cardholders and their cards in the WIC EBT System. WIC Cardholders and cards are required to access WIC EBT benefits associated with an EBA in the WIC EBT System.

A WIC Card is issued to a WIC Cardholder. The WIC Cardholder may be the WIC Participant, i.e., the person receiving the benefit, or a proxy such as a parent or caretaker for a child. The WIC Card may contain benefits (WIC Smart Card EBT) or may be linked to benefits (WIC Online EBT) for one or more WIC Participants in a household. A WIC Household may include one or more WIC Participants however a single card is provided for the household to avoid confusion when redeeming benefits.

The following table lists the Cardholder/Card Maintenance functions and the system interface type, originator of the function and user Interface for each function.

Function	System interface Type	Originator of Function	User Interface
Add Cardholder/Card (R)	Message based	Either	WIC MIS system
Add or Update PIN (O)	Message based	Either	WIC MIS system
Get Cardholders/Cards (R)	Message based	Either	WIC MIS system
Update Card (R)	Message based	Either	WIC MIS system
Report Card Updates (R)	Batch based	WIC EBT system	WIC MIS system
Get Card History (R)	Message based	Either	Either
Generate Hot Card List (O)	Message based	WIC MIS system	WIC MIS system

All of the Cardholder/Card Maintenance functions which use a message based system interface shall be recorded as transactions and made available.

6.3.1   ADD CARDHOLDER/CARD

The Add Cardholder/Card function is a required function that uses a message based system interface to create a WIC Cardholder and an associated card number.

The following table lists the data elements sent for the Add Cardholder/Card function:

Data element name	CC	Usage Notes
Address, cardholder mailing	O	
Card number	M	
Date of birth, cardholder	M	
Gender	O	
Language indicator	O	
Name, cardholder	M	
Phone number, cardholder	O	
Type code	M	
WIC MIS system household ID	M	

The following data elements are returned for the Add Cardholder/Card function:

Data element name	CC	Usage Notes
Function return code	O	

The following table lists the processing rules for the Add Cardholder/Card function:

Rule ID	Description
6.3.1.1	Validation that the WIC MIS system household ID exists and is active.
6.3.1.2	Validation that the card number exists and has not been previously issued.
6.3.1.3	(Online WIC EBT Only) If the cardholder type code is "Primary", then the WIC EBT System shall validate that there is not already an active primary cardholder associated with the given household.
6.3.1.4	(Online WIC EBT Only) If the cardholder type code is "Secondary", then the WIC EBT System shall validate that there is already a primary cardholder associated with the household.
6.3.1.5	(Online WIC EBT Only) If the cardholder type code is "Secondary", then the WIC EBT System shall validate that the addition of the new cardholder will not exceed the maximum number of allowed cardholders per household.

Rule ID	Description
6.3.1.6	(Smart Card WIC EBT only) the cardholder type code shall only be "Primary".
6.3.1.7	If all validations are passed, then the WIC EBT System shall create a new cardholder record and associate the cardholder with the given card and household.

6.3.2   ADD OR UPDATE PIN

The Add or Update PIN function is an optional function that uses a message based system interface to associate a PIN with the cardholder of the given card (Online WIC EBT) or to associate a PIN with a card (Smart Card).

The following table lists the data elements sent for the Add or Update PIN function:

Data element name	CC	Usage Notes
Action code	M	
Card number	M	
Date, effective	M	
PIN, encrypted	M	May require additional data elements depending on encryption methodology used

The following data elements are returned for the Add or Update PIN function:

Data element name	CC	Usage Notes
Function return code	O	

The following table lists the processing rules for the Add or Update PIN function:

Rule ID	Description
6.3.2.1	Validation that the card number is active and associated with a valid EBA.
6.3.2.2	Validation that the PIN, encrypted is valid.
6.3.2.3	If the PIN, encrypted is supplied and is valid: • (Online WIC EBT) Then the WIC EBT System Processor shall translate the PIN, encrypted into a new PIN, encrypted that is suitable for internal database storage. • (Smart Card) Then the new PIN, encrypted is updated on the Smart Card
6.3.2.4	If Date, effective is NULL, then the WIC EBT system processor shall assume the current date
6.3.2.5	If action code is "unlock" the PIN Is unlocked and the invalid PIN attempt count is reset to 0.
6.3.2.6	Validation of cardholder identity

6.3.3   GET CARDHOLDERS/CARDS

The Get Cardholders/Cards function is a required function that uses a message based system interface to get a list of cardholders and cards. It is designed to provide maximum flexibility to the WIC MIS system and to support the varying methods that different WIC MIS systems may use to search for cards/cardholders. For those implementations where the WIC EBT system is the database of record for cards, this function allows the WIC MIS system to access the WIC EBT system, obtain card and cardholder data associated with an EBA and display that data via the WIC MIS system User Interface.

The following table lists the data elements sent for the Get Cardholders/Cards function:

Data element name	CC	Usage Notes
Address, cardholder mailing	C	At least one of the conditional data elements shall be provided to identify the record(s) to be retrieved
Card number	C	
Date of birth, cardholder	C	
Date, end request	M	

Data element name	CC	Usage Notes
Date, start request	M	
Name, cardholder	C	
Status code	C	May only be used with other conditional data elements other than type code
Type code	C	May only be used with other conditional data elements other than status code
WIC MIS system household ID	C	

A list of the following data elements are returned for the Get Cardholders/Cards function:

Data element name	CC	Usage Notes
Address, cardholder mailing	O	
Card number	M	
Date of birth, cardholder	M	
Gender	O	
Language indicator	O	
Name, cardholder	M	
Phone number, cardholder	O	
WIC MIS system household ID	M	
The following data elements are repeated for each action reported:		
Date, effective	M	
Reason code	M	
Status code	M	
Type code	M	

The following table lists the processing rules for the Get Cardholders/Cards function:

Rule ID	Description
6.3.3.1	Validation that the card number retrieved is associated with a valid EBA.

6.3.4   UPDATE CARD/CARDHOLDER

The Update Card function is a required function that uses a message based system interface to update the status and information on a WIC card or cardholder. It is used by either the WIC EBT system or the WIC MIS system to advise the other that there has been a change in the card or cardholder information. If the card status is changed to deactivated because it is reported lost or stolen, a WIC Smart Card EBT system shall add the card to the Hot Card List (HCL) that is provided to WIC Vendors. The Online EBT system maintains the card status on the EBA.

If a cardholder does not know the card number of the card that they are reporting as lost or stolen, the Get Cardholders/Cards or Get Cardholders/Cards by Household function may be used to retrieve the card number of the active card to be deactivated from the system that is the database of record for cards.

The following table lists the data elements sent for the Update Card function:

Data element name	CC	Usage Notes
Action code	M	
Address, cardholder mailing	O	
Card number	M	
Card number, replacement	C	Mandatory if replacing card
Date, effective	M	
Date of birth, cardholder	O	
Gender	O	
Language indicator	O	
Name, cardholder	O	
Phone number, cardholder	O	
Reason code	M	
Status code	C	Mandatory if changing status of card. If a replacement, status of replacement card
Type code	O	
WIC MIS system household ID	O	

The following data elements are returned for the Update Card function:

Data element name	CC	Usage Notes
Function return code	O	

The following table lists the processing rules for the Update Card function:

Rule ID	Description
6.3.4.1	The card status is changed to the value in status code, if present. If deactivated, the card will no longer be usable for transactions.
6.3.4.2	Optional data elements are updated with the information provided.
6.3.4.3	Validation that card is active and assigned
6.3.4.4	Validation of the identity of the individual reporting the card
6.3.4.5	Validation that the card number exists and has not been previously issued.
6.3.4.6	If the cardholder currently has an active card, then the existing active card is deactivated.
6.3.4.7	(WIC Online EBT only) Since the PIN is associated with the cardholder, the PIN is unchanged for the new replacement card. Note that the PIN may still be changed by invoking the Add or Update PIN function separately. (WIC Smart Card EBT only) The PIN is selected by the WIC cardholder.
6.3.4.8	Existing remaining benefits are reloaded (Smart Card) to the replacement card.

6.3.5   REPORT CARD UPDATES

The Report Card Updates function is an optional function that uses a batch system interface to allow the WIC MIS system to update its records to reflect any changes made via the WIC EBT system. The Report Card Updates function is required If a WIC State Agency chooses to maintain card status on the WIC MIS system and also allows changes to be made to card status via the WIC EBT system (e.g., as a result of a call to the toll-free help desk number) . The WIC EBT system shall provide the WIC MIS system with any updates that have occurred within a given period.

The batch name is WIC EBT Card Updates file.

Note: For WIC Smart Card EBT, the WIC State Agency shall provide the Hot Card List batch file to the WIC EBT system. The specifications for the Hot Card List can be found in the WIC EBT Technical Implementation Guidelines (TIG) document.

The following table lists the data elements in the WIC EBT Card Updates file for the Report Card Updates function.

Data element name	CC	Usage Notes
Action code	M	
Address, cardholder mailing	O	

Data element name	CC	Usage Notes
Card number	M	
Card number, replacement	C	Mandatory when card is being replaced
Date, effective	M	
Date and time, local transaction	M	
Date of birth, cardholder	O	
Gender	O	
Language indicator	O	
Name, cardholder	O	
Phone number, cardholder	O	
Reason code	O	
Status code	M	
Type code	M	
WIC MIS system household ID	M	

The following table lists the processing rules for the Report Card Updates function:

Rule ID	Description
6.3.5.1	Validation that the card number exists

6.3.6   GET CARD HISTORY

The Get Card History function is a required function that uses a message based system interface to retrieve the history of the card, i.e., creation, status changes, updates.

The following table lists the data elements for the Get Card History function:

Data element name	CC	Usage Notes
Card number	M	
Date, end request	O	
Date, start request	O	

The following data elements are returned for the Get Card History function for each action performed:

Data element name	CC	Usage Notes
Action code	M	
Card number	M	
Card number, replacement	O	
Date and time, local transaction	M	
Date, effective	M	
Name, cardholder	M	
Reason code	M	
Status code	M	
Type code	M	
WIC MIS system household ID	M	

The following table lists the processing rules for the Get Card History function:

Rule ID	Description
6.3.6.1	Validation that the card number is active and associated with a valid EBA.
6.3.6.2	Date, start request must be less than or equal to Date, end request.

6.3.7   GENERATE HOT CARD LIST

The Generate Hot Card List function is an optional function that uses a message based system interface to initiate the generation of the Hot Card List.

The following table lists the data elements for the Generate Hot Card List function:

Data element name	CC	Usage Notes
File name	M	

The following data elements are returned for the Generate Hot Card List function:

Data element name	CC	Usage Notes
Function return code	O	

The following table lists the processing rules for the Generate Hot Card List function:

Rule ID	Description
6.3.7.1	Validation that the requesting party has authority to initiate request.

6.4   WIC VENDOR MAINTENANCE

The WIC Vendor Maintenance functional area provides functions for maintaining WIC Vendor information, including banking information that is needed by the WIC EBT System.

The following table lists the WIC Vendor Maintenance functions and the System Interface Type, Originator of Function and User Interface for each function.

Function	System Interface Type	Originator of Function	User Interface
Add WIC Vendor (R)	Either	WIC MIS system	WIC MIS system
Update WIC Vendor Information (R)	Either	WIC MIS system	WIC MIS system
Add or Update WIC Vendor Hierarchy Information (O)	Either	WIC EBT system	WIC MIS system
Update WIC Vendor Status (R)	Either	WIC EBT system	WIC MIS system
Update WIC Vendor Banking Information (O)	Message based	Either	WIC MIS system

6.4.1   ADD WIC VENDOR

The Add WIC Vendor function is a required function that uses a message or batch based system interface to establish WIC Vendor information in the WIC EBT System.

The batch name is WIC Vendor File.

The following table lists the data elements sent for the Add WIC Vendor function and in the WIC Vendor File for the Add WIC Vendor function:

Data element name	CC	Usage Notes
ABA routing transit number	M	
Above fifty percent vendor	M	
ACH settlement time	O	
Action code	M	
Address, WIC Vendor mailing	M	

Data element name	CC	Usage Notes
Address, WIC Vendor physical	M	
Amount, total food sales	O	
Bank account number	O	
Business name, WIC Vendor	M	
Phone number, WIC Vendor contact	M	
Corporation ID	O	
Date, effective	M	
Direct connect auto-recon	O	
Direct connect flag	O	
Email, WIC Vendor contact	O	
FNS number	O	
Local agency ID	O	Agency contracting with WIC Vendor
Name, WIC Vendor contact	M	
Peer group ID	M	
Phone number, alternate WIC Vendor contact	O	
Phone number, WIC vendor contact	O	
Status code	M	
Type code	M	
WIC MIS system WIC Vendor ID	M	
WIC Vendor tax ID	C	Mandatory if required by the WIC State Agency

The following data elements are returned for the Add WIC Vendor function when using a message based system interface:

Data element name	CC	Usage Notes
Function return code	O	

The following describes the processing rules associated with the Add WIC Vendor function:

Rule ID	Description
6.4.1.1	Validation that WIC MIS system WIC Vendor ID does not already exist for the calling system.
6.4.1.2	Appropriate measures shall be applied to ensure that the security of banking data is maintained
6.4.1.3	Validation that the ABA routing number is valid

6.4.2   UPDATE WIC VENDOR

The Update WIC Vendor function is a required function that uses a message or batch system interface to modify WIC Vendor information in the WIC EBT System.

The batch name is WIC Vendor Update File.

The following table lists the data elements sent for the Update WIC Vendor function and in the WIC Vendor Update File for the WIC Vendor Update function:

Data element name	CC	Usage Notes
ABA routing transit number	O	
Above fifty percent vendor	O	
ACH settlement time	O	
Action code	M	
Address, WIC Vendor mailing	O	
Address, WIC vendor physical	M	
Amount, total food sales	O	
Bank account number	O	
Business name, WIC Vendor	O	
Corporation ID	O	
Date, effective	M	
Direct connect auto-recon	O	
Direct connect flag	O	
Email, WIC Vendor contact	O	
FNS number	O	
Local agency ID	O	Agency contracting with WIC Vendor
Name, WIC Vendor contact	O	
Peer group ID	M	
Phone number, alternate WIC Vendor contact	O	
Phone number, WIC vendor contact	O	
Status code	O	
Type code	O	
WIC MIS system WIC Vendor ID	M	
WIC Vendor tax ID	O	Mandatory if required by the WIC State Agency

The following data elements are returned for the Update WIC Vendor function when using a message based system interface:

Data element name	CC	Usage Notes
Function return code	O	

The following describes the processing rules associated with the Update WIC Vendor function:

Rule ID	Description
6.4.2.1	Validation that WIC MIS system WIC Vendor ID already exists for the calling system.
6.4.2.2	Appropriate measures shall be applied to ensure that the security of banking data is maintained

6.4.3   ADD OR UPDATE WIC VENDOR HIERARCHY INFORMATION

The Add or Update WIC Vendor Hierarchy Information function is an optional function that uses a message or batch system interface to create and update the WIC EBT system's WIC Vendor corporate levels of information.

The batch name is WIC Vendor Corporate Information File.

The following table lists the data elements sent for the Add or Update WIC Vendor Hierarchy Information function and in the WIC Vendor Corporate Information File for the Add or Update WIC Vendor Corporate Information function:

Data element name	CC	Usage Notes
ABA routing transit number	O	
Action code	M	
Address, corporation mailing	M	
Bank account number	O	FNS recommends this data element be encryped
Business name, corporation	M	
Corporation ID	M	
Date, effective	M	
Email, corporation contact	O	
Hierarchy level	M	See Appendix B for values
Name, corporation contact	M	

Data element name	CC	Usage Notes
Phone number, alternate corporation contact	O	
Phone number, corporation contact	M	
Type code	M	

The following table lists the processing rules for the Add or Update WIC Vendor Hierarchy information function:

Rule ID	Description
6.4.3.1	Appropriate measures shall be applied to ensure that the security of banking data is maintained

6.4.4   UPDATE WIC VENDOR STATUS

The Update WIC Vendor Status function is a required function that uses a message or batch system interface to advise the status of the WIC Vendor. The list of status codes are in Appendix B Data Element Code Tables.

The batch name is WIC Vendor Status File.

The following table lists the data elements sent for the Update WIC Vendor Status and in the WIC Vendor Status File for the Update WIC Vendor Status function:

Data element name	CC	Usage Notes
Action code	M	
Date, effective	M	
Status code	M	
WIC MIS system WIC Vendor ID	M	

The following table lists the processing rules for the Update WIC Vendor Status function:

Rule ID	Description
6.4.4.1	Validation that the WIC MIS system WIC Vendor ID already exists and is active.
6.4.4.2	The WIC EBT System shall update the status associated with the WIC Vendor to indicate that new status. Note that the WIC Vendor record is not deleted from the WIC EBT System if it is no longer active.

Rule ID	Description
6.4.4.3	If the Date, effective is NULL, then the WIC EBT System shall use the current date.
6.4.4.4	The WIC EBT System shall not accept transactions from a WIC Vendor once it has been deactivated.

6.4.5   UPDATE WIC VENDOR BANKING INFORMATION

The Update WIC Vendor Banking Information function is an optional function that uses a message based system interface to add, change or delete banking information for a WIC Vendor in the WIC EBT system. Either the WIC MIS system or the WIC EBT system may be the database of record for this information or it may reside in another system of the WIC State Agency.

The following table lists the data elements sent for the Update WIC Vendor Banking Information function:

Data element name	CC	Usage Notes
ABA routing transit number	M	
ACH settlement time	O	
Action code	M	
Bank account number	M	
Date, effective	M	
Status code	O	
WIC MIS system WIC Vendor	M	

The following table lists the processing rules for the Update WIC Vendor Banking Information function:

Rule ID	Description
6.4.5.1	Validation that the WIC MIS system WIC Vendor ID already exists.
6.4.5.2	The WIC EBT System shall update the banking information associated with the WIC Vendor.
6.4.5.3	Appropriate measures shall be applied to ensure that the security of banking data is maintained
6.4.5.4	If Date, effective is NULL, the WIC EBT system shall assume the current date

6.5   WIC FOOD MAINTENANCE

The WIC Food Maintenance functional area includes functions for creating and updating the list of food categories and sub-categories used by the WIC State Agency, creating and maintaining the list of UPC and PLUs for food items and creating and maintaining the Not To Exceed (NTE) price for a food item.

The National Universal Product Code (NUPC) database provides the standard list of food categories, subcategories and common UPCs and PLUs maintained by FNS. A WIC State Agency shall utilize the categories, sub-categories and UPCs and PLUS from the NUPC database to create and maintain the WIC State Agency's Authorized Product List (APL). See Section 8 for further explanation.

The following table lists the WIC Food Maintenance functions and the System Interface Type, Originator of Function and User Interface for each function.

Function	System Interface Type	Originator of Function	User Interface
Get Category information (O)	Message based	Either MIS or EBT	Either
Get Sub-category information (O)	Message based	Either MIS or EBT	Either
Update Category/Sub-Category information (R)	Batch based	Either MIS or EBT	Either
Add or Update UPC/PLU information (R)	Batch based	Either MIS or EBT	Either
Get UPC/PLU information (R)	Message based	Either MIS or EBT	Either
Generate APL file (O)	Message based	Either MIS or EBT	Either

6.5.1   GET CATEGORY INFORMATION

The Get Category Information function is an optional function that uses a message based system interface to provide the food category information from the system performing the Download NUPC database information function.

No additional data elements beyond the common data elements for message based system interfaces are required for the Get Category Information function.

The following data elements are returned for the Get Category Information function:

Data element name	CC	Usage Notes
Category code	M	
Category long description	M	
Category short description	M	
Date, begin category	M	
Date, end category	M	

The following table lists the processing rules for the Get Category Information function:

Rule ID	Description
6.5.1.1	[to be completed]

6.5.2   GET SUB-CATEGORY INFORMATION

The Get Sub-category Information function is an optional function that uses a message based system interface to provide the food sub-category information from the system performing the Download NUPC database information function.

No additional data elements beyond the common data elements for message based system interfaces are required for the Get Sub-category Information function.

The following data elements are returned for the Get Sub-category Information function:

Data element name	CC	Usage Notes
Category code	M	
Date, begin sub-category	M	
Date, end sub-category	M	
Sub-category code	M	
Sub-category long description	M	
Sub-category short description	M	
Unit of measure abbreviation	M	

The following table lists the processing rules for the Get Sub-Category Information function:

Rule ID	Description
6.5.2.1	[to be completed]

6.5.3   UPDATE CATEGORY/SUB-CATEGORY INFORMATION

The Update Category/Sub-category Information function is a required function that uses a batch system interface to provide updates to the category and sub-category information from the system performing the Download NUPC database information function.

The batch name is WIC Category Sub-Category file.

The following table lists the data elements in the WIC Category Sub-Category file for the Update Category/Sub-category Information function:

Data element name	CC	Usage Notes
Action code	M	
Category	M	
Date, effective	C	
Category long description	O	
Category short description	O	
Sub-category	M	
Sub-category long description	O	
Sub-category short description	O	
Unit of measure abbreviation	M	

The following table lists the processing rules for the Update Category/Sub-category Information function:

Rule ID	Description
6.5.3.1	[to be completed]

6.5.4   ADD OR UPDATE UPC/PLU INFORMATION

The Add or Update UPC/PLU Information function is a required function that uses a batch system interface to provide updates to the UPC/PLU information from the system maintaining the WIC State Agency APL file.

The batch name is the WIC UPC/PLU file.   This file differs from the Authorized Product List (APL) File provided to WIC Vendors as it contains peer group data.

The following table lists the data elements in the WIC UPC/PLU file for the Add or Update UPC/PLU information function:

Data element name	CC	Usage Notes
Action code	M	
Category code	M	
Date, effective	M	
Item Description	M	
Manual voucher indicator	M	
NTE Price	M	
Number of peer groups	M	
Peer group ID	M	
Purchase indicator	M	
Rebate flag	M	
Sub-category code	M	
UPC /PLU data	M	

The following table lists the processing rules for the Add or Update UPC/PLU Information function:

Rule ID	Description
6.5.4.1	[to be completed]

6.5.5   GET UPC/PLU INFORMATION

The Get UPC/PLU information function is a required function that uses a message based system interface to provide the UPC/PLU information from the system maintaining the UPC/PLU information.

The following table lists the data elements sent for the Get UPC/PLU Information function:

Data element name	CC	Usage Notes
UPC /PLU data	M	

The following data elements are returned for the Get UPC/PLU information function:

Data element name	CC	Usage Notes
Category code	M	
Date, effective	M	
Item Description	M	
Manual voucher indicator	M	
NTE Price	M	

Data element name	CC	Usage Notes
Number of peer groups	M	
Peer group ID	M	
Purchase indicator	M	
Rebate flag	M	
Sub-category code	M	

The following table lists the processing rules for the Get UPC/PLU information function:

Rule ID	Description
6.5.5.1	[to be completed]

6.5.6 GENERATE APL FILE

The Generate APL List function is an optional function that uses a message based system interface to initiate the generation of the APL file.

The following table lists the data elements for the Generate APL file function:

Data element name	CC	Usage Notes
File name	M	

The following data elements are returned for the Generate APL file function:

Data element name	CC	Usage Notes
Function return code	O	

The following table lists the processing rules for the Generate APL file function:

Rule ID	Description
6.5.6.1	Validation that the requesting party has authority to initiate request.

6.6   WIC BENEFIT DATA RECONCILIATION

The WIC Benefit Data Reconciliation functional area comprises functions for providing the information necessary to reconcile the benefit redemptions completed by the WIC EBT System. Reconciliation is the process of comparing information from two or more sources to reach the same resulting totals and identifying any un-matched items. See 8.6.

The following table lists WIC Benefit Data Reconciliation functions and the System Interface Type, Originator of Function and User Interface for each function.

Function	System interface Type	Originator of Function	User Interface
Report WIC Benefit Redemptions (R)	Batch based	WIC EBT system	WIC MIS system
Report WIC Benefits Purged (R)	Batch based	WIC EBT system	WIC MIS system
Report WIC Benefit Changes (R)	Batch based	WIC EBT system	WIC MIS system
Report WIC Benefit Month Data (O)	Batch based	WIC EBT system	WIC MIS system

6.6.1   REPORT WIC BENEFIT REDEMPTIONS

The Report WIC Benefit Redemptions function is a required function that uses a batch system interface to provide a detailed record of all benefit redemption activity on a daily basis from the WIC EBT system. A WIC MIS system may receive this batch for NTE calculation and maintenance, reporting, reconciliation and program management. Only transactions that result in the redemption of WIC benefits are included in this function.

The Report WIC Benefit Redemptions function provides information that differs from the WIC Auto-reconciliation file as follows:

1) Information is based on the WIC EBT system business day or timeframe specified by the WIC State Agency instead of the WIC Vendor business day.

2) Information is a full historical account (audit trail) of the transaction and the information (category, sub-category unit of measure, item description, benefit begin and end dates) that was current and used at the time of the transaction.

3) WIC Vendor peer group information is provided.

The batch name is WIC Benefit Redemption File.

The following table lists the data elements in the WIC Benefit Redemption File for the Report WIC Benefit Redemptions function:

Data element name	CC	Usage Notes
Acquiring institution ID code	O	
Action code	M	
Amount, discount	M	
Amount, paid	M	
Amount, total NTE adjustments	M	
Amount, transaction	M	
Card acceptor identification code	O	
Card acceptor terminal identification code	M	
Card number	M	
Clinic ID	C	Mandatory if present in original transaction
Date and time, host	M	
Date and time, local transaction	M	
Date, business	M	
Date, settlement	M	
Forwarding institution ID code	O	
Initiating user ID	C	Mandatory if clinic ID of original transaction present
Local agency ID	C	Mandatory if present in original transaction
Type code	M	See Appendix B for values
Unique EBT transaction identifier	M	
WIC MIS system household ID	M	
WIC MIS system WIC Vendor ID	M	
WIC Vendor peer group	M	
Work Station ID	C	Mandatory if clinic ID of original transaction present
The following data elements will be repeated for each benefit redeemed:		
Amount, item discount	O	
Amount, paid	M	
Benefit issuance ID	M	
Benefit quantity, approved	M	
Benefit quantity, requested	M	
Category code	M	

Data element name	CC	Usage Notes
Category long description	O	
Date, begin benefit	M	
Date, end benefit	M	
Item description	M	
Item price	M	
Line item ID	M	
Sub-category code	M	
Sub-category long description	O	
Unit of measure abbreviation	M	
Unit of measure	O	
UPC/PLU data	M	

The following table lists the processing rules for the Report WIC Benefit Redemptions function:

Rule ID	Description
6.6.1.1	[to be completed]

6.6.2   REPORT WIC BENEFITS PURGED

The Report WIC Benefits Purged function is a required function that uses a batch system interface to provide a detailed record of benefits purged from the WIC EBT system. A WIC MIS system may receive this batch reporting, reconciliation and program management. All expired benefits are included in this function. The information may be reported by benefit month or daily to provide for WIC State Agencies using a rolling benefit month.

The batch name is WIC Benefits Purged File.

The following table lists the data elements in the WIC Benefits Purged File for the Report WIC Benefits Purged function:

Data element name	CC	Usage Notes
Benefit issuance ID	M	
Card number	C	Mandatory if for a smart card
Date, begin benefit	M	
Date, effective	M	
Date, end benefit	M	

Data element name	CC	Usage Notes
Reason code	M	
WIC MIS system household ID	M	
A list of the following elements are repeated for each benefit issuance ID purged:		
Benefit quantity	M	
Category code	M	
Category long description	O	
Sub-category code	M	
Sub-category long description	O	

The following table lists the processing rules for the Report WIC Benefit Expirations function:

Rule ID	Description
6.6.2.1	[to be completed]

6.6.3   REPORT WIC BENEFIT CHANGES

The Report WIC Benefit Changes function is a required function that uses a batch system interface to create a batch that contains information for each WIC MIS system initiated Add or Update Benefits transaction that was accepted and approved by the WIC EBT system during the prior 24 hour period. The WIC MIS system uses this information to match against its record of successful Add or Update Benefits transactions initiated by the WIC MIS system during the same period.

The batch name is WIC Daily Interface Reconciliation file.

The following table lists the data elements in the WIC Daily Interface Reconciliation file for the Report WIC Benefit Changes function:

Data element name	CC	Usage Notes
Action code	M	
Benefit issuance ID	M	
Card number	O	
Clinic ID	C	Mandatory if transaction originated from a clinic
Date and time, host	M	
Date, begin benefit	M	
Date, business	M	

Data element name	CC	Usage Notes
Date, end benefit	M	
Initiating user ID	C	Mandatory if transaction originated from a clinic
Local agency ID	C	Mandatory if transaction originated from a local agency
Unique EBT transaction identifier	M	
WIC MIS system household ID	M	
The following data elements will be repeated for each benefit reported:		
Benefit quantity	M	
Category code	M	
Category long description	O	
Sub-category code	M	
Sub-category long description	O	

The following table lists the processing rules for the Report WIC Benefit Changes function:

Rule ID	Description
6.6.3.1	Validation that the WIC MIS system household ID exists and is active.

6.6.4   REPORT WIC BENEFIT MONTH DATA

The Report WIC Benefit Month data function is an optional function that uses a batch system interface to provide the data necessary for a final point of reconciliation of all benefit activity for a given Benefit month against the WIC financial accounting for that month as documented in the FNS-798 report. This accounting will occur at the close out of a benefit month when all benefits issued for that month have either been redeemed or have expired. Accounting would occur no less than one month after the last day of the reporting month; however additional time may be needed to allow for adjustments and other late closing transactions to post to the system. Each individual household receiving benefits during that month is included.

The batch name is WIC Benefit Month Data File.

The following table lists the data elements in the WIC Benefit Month Data File for the Report WIC Benefit Month Data function:

Data element name	CC	Usage Notes
Amounts, settled	M	
Benefit month	M	

Data element name	CC	Usage Notes
First date to spend	M	
Last date to spend	M	
WIC MIS system household ID	M	
Following data elements are repeated for each Category and Sub-category in the household account during benefit month		
Benefit quantity, expired	M	
Benefit quantity, issued	M	
Benefit quantity, redeemed	M	
Benefit quantity, voided by WIC MIS system	M	
Category code	M	
Sub-category code	M	

The following table lists the processing rules for the Report WIC Benefit Month Data function:

Rule ID	Description
6.6.4.1	[to be completed]

6.7   LOCAL AGENCY MAINTENANCE

The Local Agency Maintenance functional area comprises functions for creating and updating local agency information needed by the WIC EBT System for reporting purposes.

The following table lists the Local Agency Maintenance functions and the System Interface Type, Originator of Function and User Interface for each function.

Function	System Interface Type	Originator of Function	User Interface
Create Local Agency (O)	Message based	WIC MIS system	WIC MIS system
Update Local Agency (O)	Message based	WIC MIS system	WIC MIS system

6.7.1   CREATE LOCAL AGENCY

The Create Local Agency function is an optional function that uses a message based system interface to create a local agency information record in the WIC EBT System.

The following table lists the data elements sent for the Create Local Agency function:

Data element name	CC	Usage Notes
Address, local agency	M	
Business name, local agency	M	
Local agency ID	M	
Name, local agency contact	M	
Phone number, local agency contact	M	

The following data elements are returned for the Create Local Agency function:

Data element name	CC	Usage Notes
Function return code	O	

The following describes the processing rules for the Create Local Agency function:

Rule ID	Description
6.7.1.1	Validation that Local agency ID does not already exist and is active for the calling system.

6.7.2   UPDATE LOCAL AGENCY

The Update Local Agency function is an optional function that uses a message based system interface to update the local agency information record in the WIC EBT System, including activating, deactivating and changing the status of the local agency. The WIC EBT System will not accept transactions from a local agency once it has been deactivated and all clinics associated with the local agency will be deactivated.

The following table lists the data elements sent for the Update Local Agency function.

Data element name	CC	Usage Notes
Action code	M	
Address, local agency	O	
Business name, local agency	O	
Date, effective	M	
Local agency ID	M	
Name, local agency contact	O	
Phone number, local agency contact	O	
Status code	O	
Type code	O	

The following data elements are returned for the Update Local Agency function:

Data element name	CC	Usage Notes
Function return code	O	

The following describes the processing rules associated for the Update Local Agency function:

Rule ID	Description
6.7.2.1	Validation that Local agency ID already exists for the calling system.
6.7.2.2	The WIC EBT System shall update the local agency as indicated by the action code. Note that the local agency record is not deleted from the WIC EBT System if it is deactivated.
6.7.2.3	If Date, effective is NULL, then the WIC EBT System assumes the current date.

6.8   CLINIC MAINTENANCE

The Clinic Maintenance functional area comprises functions for creating and updating clinic information needed by the WIC EBT System. At minimum, the WIC EBT System needs the ID's of valid clinics so that the source of transactions may be properly logged. Optionally, clinic data may be used by the WIC EBT system for reporting as well as supporting card inventory activities. This requires some basic clinic demographic information be stored in the WIC EBT System.

The following table lists the Clinic Maintenance functions and the System Interface Type, Originator of Function and User Interface for each function.

Function	System Interface Type	Originator of Function	User Interface
Create Clinic (O)	Message based	WIC MIS system	WIC MIS system
Update Clinic (O)	Message based	WIC MIS system	WIC MIS system

[To be completed – explanation of parent/child relationship of local agency and clinic and disconnected clinic]

6.8.1   CREATE CLINIC

The Create Clinic function is an optional function that uses a message based system interface to create a clinic information record in the WIC EBT System.

The following table lists the data elements sent for the Create Clinic function:

Data element name	CC	Usage Notes
Address, clinic	M	
Business name, clinic	M	
Clinic ID	M	
Local agency ID	M	
Name, clinic contact	M	
Phone number, clinic contact	M	

The following describes the processing rules for the Create Clinic function:

Rule ID	Description
6.8.1.1	Validation that Clinic ID does not already exist for the calling system.

6.8.2   UPDATE CLINIC

The Update Clinic function is an optional function that uses a message based system interface to update, activate, deactivate or changes the status of the clinic record in the WIC EBT System. The WIC EBT System will not accept transactions from a clinic once it has been deactivated.

The following table lists the data elements sent for the Update Clinic function.

Data element name	CC	Usage Notes
Action code	M	
Address, clinic	O	
Business name, clinic	M	
Clinic ID	M	
Date, effective	C	
Name, clinic contact	O	
Phone number, clinic contact	O	
Status code	O	
Type code	O	

The following describes the processing rules for the Update Clinic function:

Rule ID	Description
6.8.2.1	Validation that Clinic ID already exists and is active for the calling system.
6.8.2.2	The WIC EBT System shall update the clinic as indicated by the action code. Note that the clinic record is not deleted from the WIC EBT System if deactivated.
6.8.2.3	If the Date, effective data element is NULL, then the WIC EBT System assumes the current date.

6.9   FINANCIAL SETTLEMENT

The Financial Settlement functional area comprises functions for effecting financial transactions from the WIC EBT system to the WIC Vendor.   The settlement process moves funds between parties to resolve payments due to or from each other.

The following table lists the Financial Settlement functions and the System Interface Type, Originator of Function and User Interface for each function.

Function	System Interface Type	Originator of Function	User Interface
Request ACH payment (O)	Message based	WIC MIS system	WIC MIS system
Report ACH payments (O)	Batch based	WIC EBT system	WIC MIS system

6.9.1   REQUEST ACH PAYMENT

The Request ACH Payment function is an optional function that uses a message or batch based system interface to allow the WIC State Agency or EBT Card Issuer Processor to make a payment or adjustment to a WIC Vendor or their agent that is outside the normal course of benefit redemption and settlement. This function may be used in situations where an adjustment is needed for a transaction that has already been settled. This function may also be used for payments to other WIC State Agency WIC EBT vendors such as mail-order vendors or infant formula warehouses.

This function requires that banking data be provided. This does not mean that banking data needs to be stored by the sending system for all WIC Vendors. Banking data shall be verified by the system that is the database of record for this information.

This function eliminates the need to maintain an alternate check process for these types of payments that may occur outside of daily WIC EBT settlement activities by utilizing the ACH payment capability of the WIC EBT system.

The batch name is WIC ACH Payment File.

The following table lists the data elements sent for the Request ACH Payment function and in the WIC ACH Payment File for the Report WIC Benefit function:

Data element name	CC	Usage Notes
Action code	M	
ABA routing transit number	M	Receiving institution bank identifier
Bank account number	M	Receiving institution account number
Amount, ACH payment	M	
Card acceptor identification code	O	
Date, effective	M	
Original system trace audit number	C	Mandatory if this payment is related to a single, previous transaction (Online EBT)
Reason code	M	
Receiving institution identification code	O	
System trace audit number	C	Mandatory for Online EBT
Type code	M	See Appendix B for values
WIC MIS system WIC Vendor ID	M	

The following data elements are returned for the Request ACH Payment function message based system interface:

Data element name	CC	Usage Notes
Function return code	O	

The following table lists the processing rules for the Request ACH Payment function:

Rule ID	Description
6.9.1.1	[to be completed]

6.9.2   REPORT ACH PAYMENTS

The Report ACH Payments function is an optional function that uses a batch based system interface to have to WIC EBT System report all WIC ACH payments requested by the WIC MIS system and any initiated by the WIC EBT system. The WIC MIS system reconciles these transactions to the ACH payments reported by the WIC State Agency's financial institution entity.

The following table lists the data elements sent for the Report ACH Payment function:

Data element name	CC	Usage Notes
Action code	M	
ABA routing transit number	M	Receiving institution bank identifier
Bank account number	M	Receiving institution account number
Amount, ACH payment	M	
Card acceptor identification code	O	
Clinic ID	C	Mandatory if original transaction originated from a clinic
Date, effective	M	
Initiating user ID	C	Mandatory if initiated from a clinic
Local agency ID	C	Mandatory if original transaction originated from a local agency
Original system trace audit number	C	Mandatory if this payment is related to a single, previous transaction (Online EBT)
Reason code	M	
Receiving institution identification code	O	
System trace audit number	C	Mandatory for Online EBT
Type code	M	See Appendix B for values

Data element name	CC	Usage Notes
WIC MIS system WIC Vendor ID	M	

The following table lists the processing rules for the Report ACH Payment function:

Rule ID	Description
6.9.2.1	[to be completed]

7   DISTRIBUTION OF FUNCTIONS

This document recommends the distribution of the defined functions between the WIC MIS system and WIC EBT systems by specifying an originator for each function and the party responsible for the user interface for each function. The following criteria are used to decide where WIC EBT functions may be originated. The implementation of the function shall:

   a) promote portability between WIC MIS system and WIC EBT systems
   b) minimize the amount and frequency of data exchange
   c) minimize points of failure
   d) minimize potential data synchronization issues
   e) permit each system that generates and houses most of the data relevant to a specific functional requirement be the system that implements that function
   f) provide and maintain a seamless user experience
   g) foster competitiveness in future procurements
   h) comply with WIC federal and state laws and regulations

The WIC MIS system and WIC EBT system shall work in concert to provide the functions required to deliver WIC food benefits electronically.

The following sections provide the rationale for whether the WIC MIS system or WIC EBT system were identified as the Originator and/or the User Interface for each function.

7.1   WIC HOUSEHOLD ACCOUNT MAINTENANCE

The WIC MIS system maintains the demographic information for each household and the WIC participants in the household. For the purposes of certification, this data is used and maintained by the WIC MIS system. The entry of and subsequent updates to this data are through the WIC MIS system; therefore, the MIS system, as the database of record, is responsible for maintaining and transmitting this data to the EBT system. As part of this function, the WIC MIS system will also initiate the creation of new WIC EBT accounts or update existing WIC EBT accounts.

7.2   WIC HOUSEHOLD BENEFIT MAINTENANCE

Food assignment and benefit issuance are functions of the MIS system in support of the WIC Participant certification process.   While the functions to add and update benefits may be part of a WIC EBT system, allowing this to occur would create synchronization and reporting issues on the WIC MIS system. For these reasons, the WIC MIS system shall be the originator of the functions for this functional area. The WIC MIS system shall transmit benefit data to the WIC EBT system. Based on the data provided by the WIC MIS system, the WIC EBT system shall associate benefits to the correct WIC EBT account (and in Smart Card WIC EBT systems, load benefits to a card) and track the disposition of the benefits. While

the User Interface is the WIC MIS system, the data may still be viewed as read-only through the WIC EBT system if allowed by the WIC State Agency MIS system security requirements.

7.2.1   GET BENEFIT BALANCE / GET BENEFIT MAINTENANCE HISTORY

The WIC EBT system is responsible for processing transactions and maintaining account balance information, however, a local clinic user does not necessarily want to toggle from the WIC MIS system to the WIC EBT system to view processed transactions and account balances since this could require entry of a separate user ID and password. The Get Benefit Balance and Get Benefit Maintenance History function allow the WIC MIS system the ability to request the data real-time from the WIC EBT system and display the WIC EBT balance and transaction data through the WIC MIS system User Interface.

7.3   CARDHOLDER/CARD MAINTENANCE

For the Cardholder/Card Maintenance functional area the originator of the function and the User Interface may be either system.

If a WIC State Agency chooses to implement the Card Maintenance function with the WIC MIS system as the originator of the function, how and where updates will be made to card status needs to be decided. In some WIC EBT implementations, a WIC EBT system may provide customer service support to cardholders including the reporting of lost, stolen, or damaged cards and mailing of replacement cards. The status updates would be made by customer service representatives through the WIC EBT system. Ultimately, any updates made through the WIC EBT system will need to be synchronized with the WIC MIS system. There are always risks that the WIC MIS system data may be out of date if these synchronizations are not made in a timely manner.

7.4   WIC VENDOR MAINTENANCE

Most WIC MIS systems or a WIC State Agency's vendor management system maintain data for the WIC Vendors for the WIC State Agency. It would be redundant for this data to be entered and maintained separately by the WIC EBT system. Therefore the WIC MIS system is responsible for capturing all WIC Vendor data needed by the WIC EBT system and transmitting that data in a real-time message or as part of a daily batch to the WIC EBT system.

7.4.1   UPDATE WIC VENDOR BANKING INFORMATION

The Universal Interface supports the ability for either system to maintain banking data and be the User Interface for the WIC Vendor banking information.

The WIC State Agency is ultimately responsible for payment to the WIC Vendor. Either the WIC EBT system or the WIC MIS System may use the bank routing and account data to initiate the settlement

process. However, the choice for the Originator of Function and User Interface for the WIC Vendor Banking Information function is dependent on a WIC State Agency's approach to implementing WIC EBT.

WIC Vendor payment may be accomplished by:

1) the WIC Vendor connecting directly into the WIC EBT system or WIC State Agency and having payments made directly to each WIC Vendor account.
2) the WIC Vendor using a third party processors (TPPs) to route transactions and consolidated settlement and payments are made to the TPP to subsequently pay the WIC Vendor.

How does the WIC Vendor transaction routing environment affect the choice of where to put this function?

One consideration is who the party is that is responsible for and/or is contractually obligated to the WIC Vendor for settlement. In an in-house environment where the WIC State Agency is responsible for WIC Vendor payments and therefore for the collection and maintenance of banking data it may be more appropriate to enter and maintain banking data via the WIC MIS system. In this environment, WIC State Agency staff would be recording various types of demographic data in the vendor management component of the WIC MIS system. The WIC MIS system would then be responsible for transmitting that data to the WIC EBT system.

When the WIC EBT system and services have been outsourced, the WIC EBT service provider is typically responsible for deploying equipment or working with direct connect WIC Vendors to process and settle transactions. Part of this responsibility includes executing agreements with these WIC Vendors related to processing and settlement. In this environment, the WIC EBT processor is responsible for collecting the banking information from the WIC Vendor; therefore, it would be more logical to enter and maintain the banking data via the WIC EBT system.

7.5   WIC FOOD MAINTENANCE

Although WIC State Agencies have not yet integrated the NUPC into their WIC EBT processes, it is the goal of FNS and legislation to make the NUPC database the starting point for category and sub-category data such as additions of new categories and sub-categories and updates to existing categories and sub-categories.   The NUPC shall be used as the source of this information by whichever system maintains the WIC State Agency Authorized Product List (APL).

Similar to category and sub-category data, it is the goal of FNS to facilitate exchange of UPC and PLU information used by multiple WIC State Agencies as a critical source for new and updated product information. WIC State Agencies may establish and maintain their own databases for UPC and PLU information as long as it is compatible with the NUPC database. WIC State Agencies may choose to enter UPC and PLU information into another system and then upload it to the NUPC.

7.6   WIC BENEFIT DATA RECONCILIATION

The WIC Benefit Data Reconciliation functional area provides all redemption and other benefit update activity for a given period in a batch system interface. Because the WIC EBT system processes redemptions, it is the originator of these functions. WIC State Agencies and local WIC MIS system users may access this data via a WIC MIS system User Interface if the data is stored in the WIC MIS system or in an associated data warehouse once it has been transmitted to the WIC MIS system from the WIC EBT system. NTE calculation and maintenance may also use the data in the WIC Benefit Data Reconciliation file.

7.7   LOCAL AGENCY MAINTENANCE

The WIC MIS System is the database of record and provides the user interface for the entry or update of information for this functional area and may choose to provide the information to the WIC EBT system for reporting by local agency. Rather than implementing these functions in the Universal Interface, the WIC MIS system may use the redemption data transmitted from the WIC EBT system to do reporting by local agency.

7.8   CLINIC MAINTENANCE

The WIC MIS System is the database of record and provides the user interface for the entry or update of information for this functional area and may choose to provide the information to the WIC EBT system for reporting by clinic. Rather than implementing these functions in the Universal Interface, the WIC MIS system may use the redemption data transmitted from the WIC EBT system to do reporting by clinic.

7.9   FINANCIAL SETTLEMENT

The WIC EBT System is responsible for submitting the requests for payments to the WIC Vendor into the ACH system. The WIC MIS system originates requests for payments outside of the normal WIC Vendor reimbursements to the WIC EBT system and the WIC EBT system provides a report of these payments.

8   IMPLEMENTATION CONSIDERATIONS

This section provides guidance on implementing the WIC EBT MIS Universal Interface.

8.1   NUPC DATABASE INFORMATION

The NUPC Database information is accessed by either the EBT System or MIS System using a batch system interface to obtain food category, sub-category and other Approved Products List (APL) information. The NUPC information shall be downloaded as needed to the WIC MIS system or the WIC EBT system or both.

The specifications for this file have been defined in the WIC National UPC Database System Upload/Download File Specifications Release Version 2.1. See the FNS WIC EBT Document Library at http://www.fns.usda.gov/apd/Library/WIC_EBt_docs.htm.

NUPC supports a download of the Approved Products List (APL) and a National Category/Sub-category file download as defined in the Technical Implementation Guide.

8.2   COST CONTAINMENT

Choosing the system to maintain and update the cost containment data depends on how the WIC State Agency maintains UPC and PLU pricing information and assigns WIC Vendors to WIC Vendor peer groups. Once an initial pricing process is established, updates are may be maintained using settlement information available in the EBT system. All approved UPC and PLU items have a shelf price that can be averaged and reset periodically - weekly, bi-weekly or monthly. If the WIC State Agency chooses to create and maintain the Not To Exceed (NTE) values (also known as the Maximum Authorized Reimbursement (MAR)), then the WIC State Agency must obtain transactional information from the EBT system on UPC and PLU items and their pricing for all WIC Vendors. The WIC State Agency shall then generate updated peer group pricing limits and transmit this to the EBT system for NTE edits for WIC EBT online messages or NTE edits for daily claims submitted in WIC Smart Card EBT systems.

The NTE Price is calculated by either the MIS or EBT system and the calculations used vary among with WIC State Agencies. The Benefit Redemption File described in Section 6.6 provides some of the data needed for the calculations.

8.3   EBT AND MIS SYSTEMS COMMUNICATION

In order to establish an interface between two systems, a secure means of communication is required. This document does not mandate a particular method of securing the WIC EBT system to WIC MIS system interface.

The following data elements may be exchanged in securing these interfaces.

Data element name	CC	Usage Notes
Security token	M	
Security type	M	

If desired by the WIC State Agency, a user may be given permission to log in and access real-time services and screens in the WIC EBT system.

Because there are two systems involved both with their own security functions, each is responsible for the users and roles associated with its own system. Also for this same reason, each system provides the User Interface to add, update and delete users from its own system. Providing system access is subject to the security requirements of the WIC State Agency's security systems and state regulations as well as the system developer's design security concerns.

Direct Screen Link System interfaces are interfaces where the systems exchange information to allow a clinic user that is logged on to the WIC MIS system to access the WIC EBT system's User Interface without having to log on separately to the WIC EBT system. Their WIC MIS system user ID and password is configured to provide access to the WIC EBT User Interface. This is referred to as a single sign-on (SSO) approach. Direct Screen Link system interfaces require that both the WIC MIS system and the WIC EBT system have a web based User Interface that uses a local browser to view data stored on the system and allows a user to perform a range of WIC EBT functions. Direct screen link system interfaces are optional and not required to be implemented by all WIC State Agencies.

8.4   ERROR HANDLING

[To be completed]

8.5   DATA INTEGRITY

When implementing a Universal Interface consideration should be given to maintaining the integrity of data when performing functions which deactivate, reactivate or establish new accounts, households, cards, cardholders, etc. The data associated with the previous entity should be linked to the new entity to maintain the audit trail of information.

8.6   RECONCILIATION

Reconciliation of benefits in the WIC EBT environment requires reconciliation to be done at the card or EBA level.   [to be completed – process and handling of un-matched items]

The Data Dictionary lists the data elements identified for the all of the functions in the Universal Interface in alphabetical order.

Data element name	Description	Parameters	XML type
ABA routing transit number	The number that identifies the financial institution to which a WIC Vendor is paid via ACH and conforms to the American Bankers Association standard.	n 9	xs:string
Above fifty percent vendor	A flag indicating whether or not the volume of WIC sales is above 50% of the total sales for the WIC Vendor.	a 1	xs:short
ACH settlement time	For a direct connect WIC Vendor, this is the time that the WIC EBT System uses for processing WIC Vendor activity for the purpose of computing the daily WIC Vendor settlement amount. The WIC EBT System will process transactions that occurred during the 24 hours prior to this time.	hhmmss	xs:dateTime
Acquiring institution ID code	A code identifying the entity acquiring the transaction	n 11	
Action code	A code which defines the action taken or to be taken. See Appendix B.	n 3	
Address, cardholder mailing	A constructed data element including address line 1, address line 2, address city, address state and address zip code where the cardholder receives mail.	ansp, max 202	MailingAddressObject
Address, household mailing	A constructed data element including address line 1, address line 2, address city, address state and address zip code where the household receives mail.	ansp, max 202	MailingAddressObject
Address city	Sub-element of address data elements identifying the city name of the address specified	ansp, max 50	xs:string
Address, clinic	A constructed data element including address line 1, address line 2, address city, address, state and address zip code where the clinic receives mail.	ansp, max 202	MailingAddressObject
Address, corporation mailing	A constructed data element including address line 1, address line 2, address city, address state and address zip code where the corporation receives mail.	ansp, max 202	MailingAddressObject
Address line 1	Sub-element of address data elements identifying the first line of the address specified.	ansp, max 75	xs:string

Data element name	Description	Parameters	XML type
Address line 2	Sub-element of address data elements identifying the second line, if present, of the address specified.	ansp, max 75	xs:string
Address, local agency	A constructed data element including address line 1, address line 2, address city, address state and address zip code where the local agency receives mail.	ansp, max 202	MailingAddressObject
Address state	Sub-element of address data elements; conforms to the U.S. Post Office state and territory abbreviations.	ansp, max 2	xs:string
Address, WIC Vendor physical	A constructed data element including address line 1, address line 2, address city, address state and address zip code where the WIC vendor is located.	ansp, max 202	PhysicalAddressObject
Address, WIC Vendor mailing	A constructed data element including address line 1, address line 2, address city, address state and address zip code where the WIC vendor receives mail.	ansp, max 202	MailingAddressObject
Address ZIP code	Sub-element of address data elements and a constructed data element including the Address ZIP code, primary and the Address ZIP code, extended for the address specified.	n 9	xs:string
Address ZIP code, extended	A sub-element of Address ZIP code, identifying the ZIP+4 U.S. postal codes for the address specified.	n 4	xs:string
Address ZIP code, primary	A sub-element of Address ZIP code identifying the U.S. postal code associated with the address specified.	n 5	xs:string
Amount, ACH payment	The amount to be debited or credited to the WIC vendor identified	n 12	xs:decimal
Amount, discount	The amounts deducted from the gross amount of the transaction due to coupons or other reductions in the amount	n 12	xs:decimal
Amount, item discount	The amount deducted from the item price for an individual item	n 12	xs: decimal
Amount, paid	The amount paid to a WIC Vendor for a purchase transaction less any discounts or NTE adjustments.	n 12	xs:decimal
Amount, total food sales	The volume of total food sales reported by the WIC Vendor.	n 12	xs:decimal
Amount, total NTE adjustments	Sum of all NTE adjustments made to the item prices of the individual items for a transaction.	n 13	xs:decimal
Amount, transaction	Amount requested by the cardholder in the local currency of the acquirer or source location of the transaction including any surcharges	n 12	xs:decimal

Data element name	Description	Parameters	XML type
Amounts, settled	Total of funds to be transferred between the parties identified	n 12	xs:decimal
Bank account number	The number identifying the WIC Vendor's bank account.	n	xs:string
Benefit issuance ID	A unique number identifying a benefit issuance due to adding, updating or subtracting benefits.	n	xs:decimal
Benefit month	A period defined by the WIC State Agency in which benefits are in effect; may be a calendar month or a rolling number of days	an	
Benefit, quantity	The quantity of an item defined in the sender's specified benefit issuance unit of measure	n 5	xs:decimal
Benefit quantity, active hold	The quantity of an item defined in the sender's specified benefit issuance unit of measure in active hold at a WIC Vendor for manual voucher authorization	n 5	xs:decimal
Benefit quantity, approved	The quantity of an item defined in the sender's specified benefit issuance unit of measure approved for purchase	n 5	xs:decimal
Benefit quantity, available	The quantity of an item defined in the sender's specified benefit issuance unit of measure available for purchase	n 5	xs:decimal
Benefit quantity, expired	The quantity of an item defined in the sender's specified benefit issuance unit of measure that have passed the last day to spend	n 5	xs:decimal
Benefit quantity, issued	The quantity of an item defined in the sender's specified benefit issuance unit of measure issued	n 5	xs:decimal
Benefit quantity, redeemed	The quantity of an item defined in the sender's specified benefit issuance unit of measure redeemed in a purchase	n 5	xs:decimal
Benefit quantity, requested	The quantity of an item defined in the sender's specified benefit issuance unit of measure requested for purchase	n 5	xs:decimal
Benefit quantity, voided by WIC MIS system	The quantity of an item defined in the sender's specified benefit issuance unit of measure that has been voided	n 5	xs:decimal
Purchase indicator	A flag indicating a food item that can be purchased with benefits assigned in a non-zero Sub-Category (any Sub-category that is not equal to "000") as well as with benefits assigned in the Broadband Sub-Category	n 1	xs:short
Business name, clinic	Business name of the clinic.	aps, max 50	xs:string
Business name, corporation	Business name of the corporation.	aps, max 50	xs:string

Data element name	Description	Parameters	XML type
Business name, local agency	Business name of the local agency.	aps, max 50	xs:string
Business name, WIC Vendor	Business name of the WIC Vendor.	aps, max 50	xs:string
Card acceptor identification code	A code assigned by the acquirer to identify the WIC Vendor that defines the point of service	an 15	
Card acceptor terminal identification code	A unique value that identifies the terminal at the WIC Vendor location	ans 8	
Card number	A series of digits appearing on the face of the WIC Card or encoded on the magnetic stripe of a card or assigned to a smart card.	n, max 19	xs:string
Card number, replacement	A series of digits used to identify the new customer account or relationship	n, max 19	
Category code	A code identifying the type of product as defined in the National UPC database.	n 2	xs:string
Category long description	A literal describing the category as specified by the originating WIC authority suitable for printing or displaying in areas where display width is not a concern.	ans 50	xs:string
Category short description	A short literal describing the category suitable for displaying on screen and reports where display width is a concern.	ans 6	xs:string
Clinic ID	WIC MIS system assigned identifier for a clinic.	n, max 25	xs:int
Corporation ID	A unique number assigned to a corporation to which WIC Vendors may be associated.	n	xs:int
Count, detail records	Count of detail records contained in the file	n 9	
Date and time, host	Date/time when a transaction occurred based on date/time of EBT Card Issuer Processor system expressed in GMT in accordance with ISO 8601.	MMDDCCYY	xs:dateTime
Date and time, local transaction	Date/time when a transaction occurred based on date and time of WIC Vendor system	MMDDCCYY	xs:dateTime
Date and time, transmission	Date and time the originator of the function sends the message or batch expressed in GMT in accordance with ISO 8601.	MMDDCCYY	xs:dateTime
Date, begin benefit	First date on which benefits may be used expressed in GMT in accordance with ISO 8601.	MMDDCCYY	xs:dateTime
Date, begin category	The date for which the category shall become available for use expressed in GMT in accordance with ISO 8601.	MMDDCCYY	xs:dateTime
Date, begin sub-category	The date for which the sub-category shall become available for use expressed in GMT in accordance with ISO 8601.	MMDDCCYY	xs:dateTime

Data element name	Description	Parameters	XML type
Date, business	The calendar date on which a transaction occurred expressed in GMT in accordance with ISO 8601.	MMDDCCYY	xs:dateTime
Date, effective	Date and time when an action is in effect expressed in GMT in accordance with ISO 8601.	MMDDCCYY	xs:dateTime
Date, end benefit	Last date on which benefits may be used expressed in GMT in accordance with ISO 8601.	MMDDCCYY	xs:dateTime
Date, end category	The last date for which the category shall be used expressed in GMT in accordance with ISO 8601.	MMDDCCYY	xs:dateTime
Date, end request	End of period being referenced for this function expressed in GMT in accordance with ISO 8601.	MMDDCCYY	xs:dateTime
Date, end sub-category	The last date for which the sub-category shall be used expressed in GMT in accordance with ISO 8601.	MMDDCCYY	xs:dateTime
Date of birth, cardholder	Month, day and year the cardholder was born. It may be the cardholder's date of birth or in the case of proxy, the proxy's date of birth as specified by the type code of the cardholder expressed in GMT in accordance with ISO 8601.	MMDDCCYY	xs:dateTime
Date of birth. head of household	Month, day and year the head of household was born expressed in GMT in accordance with ISO 8601.	MMDDCCYY	xs:dateTime
Date, settlement	The date for which transactions will be settled; the WIC Vendor will be paid the next business da expressed in GMT in accordance with ISO 8601.	MMDDCCYY	xs:dateTime
Date, start request	Beginning of period being referenced for this function expressed in GMT in accordance with ISO 8601.	MMDDCCYY	xs:dateTime
Direct connect auto-recon flag	A flag indicating whether a WIC Auto-reconciliation file is generated for the WIC Vendor location.	a 1	
Direct connect flag	A flag indicating if the WIC Vendor connects directly to the WIC EBT System	a 1	
Email, corporation contact	Email address of a point of contact at the corporation.	anp 254	xs:string
Email, WIC Vendor contact	Email address of a point of contact at the WIC Vendor location.	anp 254	xs:string
File name	The actual or abbreviated name of the file being accessed	ans 25	
File sequence number	A unique number that is incremented by 1 for each file that is successfully transferred		

Data element name	Description	Parameters	XML type
First date to spend	First day that benefits for the period are available for purchase	CCYYMMDD	xs:dateTime
File format version	The standard on which the record within the file are based		
FNS number	Number assigned by the Supplemental Nutrition Assistance Program (SNAP) to a retail location	n 11	
Forwarding institution ID code	The identity of the institution forwarding the information	n 11	
Function return code	A value returned in a message based system interface to indicate the information sent was received and the action taken		
Gender	A value identifying whether the person identified is male or female	n 1	
Hierarchy level	A value indicating the position of the WIC Vendor location within the corporation hierarchy	n 1	
Initiating user ID	An identifier assigned to a WIC MIS system user that is used to track activity in the system.	ansp	
Item description	A name for a WIC food item	anp 50	
Item price	The purchase amount assigned to one unit of an item.	n 6	xs:decimal
Language indicator code	A code indicating the preferred language spoken by the person identified. See Appendix B.	n 1	
Last date to spend			
Line item ID	Unique identifier for a line item within a transaction	n 6	
Local agency ID	WIC MIS system assigned identifier that uniquely identifies a local agency within the WIC State Agency.		
Manual voucher indicator	A flag indicating if a food item is allowed for purchase with a manual voucher	n 1	
Message type	A value that identifies the kind of message being sent in a message based system interface		
Message version	A value that identifies which version of a message is being used in a message based system interface		
Name, cardholder	A constructed data element including the sub-elements Name, first, Name, middle, Name, last and Name, suffix for the cardholder.	aps, max 107	tns:PersonObject

Data element name	Description	Parameters	XML type
Name, clinic contact	A constructed data element including the sub-elements Name, first, Name, middle, Name, last and Name, suffix for a contact at the clinic.	aps, max 107	tns:PersonObject
Name, corporation contact	A constructed data element including the sub-elements Name, first, Name, middle, Name, last and Name, suffix for a contact at the corporation.	aps, max 107	tns:PersonObject
Name, first	Sub-element of name data elements	aps, max 50	xs:string
Name, head of household	A constructed data element including the sub-elements Name, first, Name, middle, Name, last and Name, suffix for the head of the household	aps, max 107	tns:PersonObject
Name, last	Sub-element of name data elements	aps, max 50	xs:string
Name, local agency contact	A constructed data element including the sub-elements Name, first, Name, middle, Name, last and Name, suffix for a contact at the local agency.	aps, max 107	tns:PersonObject
Name, middle	Sub-element of name data elements	aps, max 50	xs:string
Name, suffix	Sub-element of name data elements	aps 6	xs:string
Name, WIC Vendor contact	A constructed data element including the sub-elements Name, first, Name, middle, Name, last and Name, suffix for a contact at the WIC Vendor.	aps, max 107	tns:PersonObject
Not to Exceed (NTE) price	The maximum allowed price for a food item as established by the WIC State Agency	n 6	xs:decimal
Number of peer groups	Number of peer group / max prices combinations	n 2	xs:short
Originator of file	Unique identifier of the file origination entity		
Peer group ID	The peer group assigned to the WIC Vendor.	n 5	xs:int
Pharmacy flag	Indicates that the item is allowable for purchase in a pharmacy		
Phone number, alternate corporation contact	Other phone number for a point of contact at the corporation	n 9	xs:string
Phone number, alternate WIC Vendor contact	An alternate phone number of a point of contact at the WIC Vendor.	n 9	xs:string
Phone number, cardholder	Phone number for cardholder.	n 9	xs:string
Phone number, clinic contact	Phone number for the clinic.	n 9	xs:string
Phone number, corporation contact	Phone number for the corporation	n 9	xs:string
Phone number, local agency contact	Phone number for the local agency.	n 9	xs:string

Data element name	Description	Parameters	XML type
Phone number, WIC Vendor contact	The phone number for a point of the contact at the WIC Vendor.	n 9	xs:string
PIN, encrypted	A number assigned to a cardholder intended to uniquely identify that cardholder at the point of service; encrypted block	b 8 (unencrypted)	xs:string
Price Look Up code (PLU)	Code assigned by the International Federation of Produce Standards (IFPS) to bulk produce		
Reason code	Reason for an action	an 4	
Rebate flag	A flag indicating that a food item is eligible for rebate to the WIC State Agency	n 1	xs:string
Receiving institution identification code	Code identifying the entity receiving the message or batch	n 11	xs:string
Record sequence number	A sequential number assigned to each record within a batch by the batch sender		
Security token	A token issued by the WIC EBT System when a systems logs on to the WIC EBT System. The issued token is required for all subsequent functions.		
Security type	User id, password, or Security token used to authenticate the file		
Status code	A code indicating the status of the entity indicated. See Appendix B.	an 4	xs:short
Sub-category code	A code further identifying the type of product within a category as defined in the National UPC database.	n 3	xs:string
Sub-category long description	A long description of the sub-category suitable for printing or displaying in areas where display width is not a concern.	ans 50	xs:string
Sub-category short description	A short description of the sub-category suitable for displaying in areas (particularly POS stand-beside receipts) where display width is a concern.	ans 6	xs:string
System ID	An ID assigned by the WIC EBT System to the WIC MIS system or a subsystem within the WIC MIS system used for security and tracking purposes within the WIC EBT System.		
Unique EBT transaction identifier	A number that uniquely identifies any type of transaction (clinic or WIC Vendor) within the WIC EBT system. For Online EBT redemption transactions this is the systems trace audit number.	n 6	xs:string
Unit of measure abbreviation	An abbreviated description of the unit of measure associated with the food sub-category.	an 5	xs:string

Data element name	Description	Parameters	XML type
Unit of measure	A determinant amount or quantity adopted as a standard of measurement, e.g., gallons, pounds, etc. applied to an individual item, see TIG and ANS 260.1.	an 10	xs:string
UPC/PLU data	Information identifying the UPC or PLU assigned to an item	n 17	xs:string
Username	String used to identify user in the WIC EBT System. Used in conjunction with the WIC EBT System ID to uniquely identify a user.		
WIC EBT system ID	Value identifying the WIC EBT system		
WIC MIS system household ID	Value assigned by the WIC MIS system to identify a household	an, min 10, max 19	xs:string
WIC MIS system household ID, new	New value assigned by the WIC MIS system to identify a household	an, min 10, max 19	xs:string
WIC MIS system ID	Value identifying the WIC MIS system		
WIC MIS system WIC Vendor ID	Value assigned by the WIC MIS system to identify the WIC Vendor equal to WIC merchant ID from X9.93	an 12	xs:string
WIC State Agency ID	Value assigned by FNS to identify the WIC Authority; see TIG for values.	n 3	xs:string
WIC Vendor peer group	The peer group to which a WIC Vendor is assigned for cost containment purposes.	n	xs:integer
WIC Vendor tax ID	A value identifying the federal and/or state tax identification number assigned to the WIC Vendor	n 9	xs:string
Work station ID	A value identifying the workstation initiating the function.	anp	xs:string

APPENDIX B   DATA ELEMENT CODE TABLES

The Data Element Code Table lists the code values assigned for the data elements used in the Universal Interface in alphabetical order.

Data element	Code value	Code description
Action code	A C D E R P U	Activate(d) or Add(ed) or Issue(d) Change(ed) or Update(ed) Deactivate(d) or Delete(ed) or Void(ed) Expired/Expunged Reactivate(d) Replace(d) Unlock(ed)
Function return code		[to be completed]
Language indicator code	E S	English Spanish
Reason code	 C001 C002 C003 C004 C005 C099 B001 [to be completed]	– reasons for replacing a card Lost Stolen Damaged Returned Undeliverable Other - reasons for adding or updating a benefit New benefit issuance - reason for ACH payment
Status code	0001 0002 C001 C002 C003 V001 V002 V003 V004 V005 V006 V007 V008	Deactivated Reactivated Lost card Stolen card Valid/ready to shop card Vendor not WIC EBT certified and functional Vendor WIC EBT certified and functional Vendor WIC EBT certified only Vendor WIC EBT functional only Vendor ineligible for reactivation Vendor eligible to be paid Vendor payment held Vendor fifty percent

Data element	Code value	Code description
Type code		Account
		Cardholder
	P	Primary
	S	Secondary
	X	Proxy
		File
	N	New
	R	replace
		Transaction
	E	Expunged/Expired
	B	Purchase
	V	Void/Reversal
	M	Manual authorization clear
	J	Adjustment
		WIC household
	H	Household
	O	Compliance buy
	V	Vendor
		WIC vendor
	C	Chain
	I	Independent grocer
	L	Sole proprietor
	F	Farmers market
	Y	Pharmacy